

Numberworks 50

Score: _____

1. thirty-five divided by seven

a) 35×7 b) $\frac{35}{7}$ c) $7 \div 35$

2. a)
$$\begin{array}{r} 36.8 \\ 19.3 \\ + 26.4 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 128.7 \\ 36.480 \\ + 9.867 \\ \hline \end{array}$$

3. a) $30 \times 90 =$ _____

b) $70 \times 100 =$ _____

c) $50 \times 60 =$ _____

d) $80 \times 100 =$ _____

4. a)
$$\begin{array}{r} 0.814 \\ - 0.2356 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 1.72 \\ - 0.5466 \\ \hline \end{array}$$

5. a) $70 \overline{) 1,000}$

b) $42 \overline{) 2,230}$

6. Which one shows how rounding can be used to estimate 42×672 ?

a) $50 \times 700 = 35,000$

b) $50 \times 600 = 30,000$

c) $40 \times 600 = 24,000$

d) $40 \times 700 = 28,000$

7. Find the GCF of

a) 32 and 8 _____

b) 4 and 10 _____

8. The average temp. for a day is found by adding the day's high temp. to the day's low temp. and then dividing by 2. On one day, the high and low temps. were 21°C and 15°C . What was the average temp.?

9. Solve for n .

a) $n + 4 = 13$ _____

b) $24 = 2n - 6$ _____

c) $9 + n = \frac{1}{2}(20)$ _____

Numberworks 51

Score: _____

1. Write a numerical expression.

a) 7,382 less than
10,005

b) the product of 457
and 69

2. a) $55 \overline{)111}$

b) $25 \overline{)203}$

3. a) $\begin{array}{r} 6.27 \\ + 2.88 \\ \hline \end{array}$

b) $\begin{array}{r} 0.85 \\ + 4.36 \\ \hline \end{array}$

4. a) $80 \times 60 =$ _____

b) $400 \times 900 =$ _____

c) $30 \times 900 =$ _____

d) $50 \times 90 =$ _____

5. a) $\begin{array}{r} 1.4302 \\ - 0.3659 \\ \hline \end{array}$

b) $\begin{array}{r} 23.4 \\ - 1.65 \\ \hline \end{array}$

6. 135 tourists are waiting to take a plane trip from Maui and Oahu. The plane can carry 16 people on each trip. How many trips must the plane make?

7. Find the LCM of

a) 3 and 4 _____

b) 4 and 7 _____

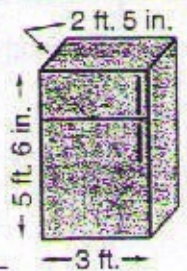
c) 6 and 10 _____

8. Change each measure to inches. Then find the volume in cubic inches. ($V = lwh$)

a) _____ height

b) _____ width

c) _____ length $V =$ _____



9. Circle the best estimate for the measure of each angle.



a) 60°

b) 90°

c) 120°

a) 15°

b) 45°

c) 90°

a) 90°

b) 110°

c) 165°

Numberworks 52

Score: _____

1. a)
$$\begin{array}{r} 2,261 \\ - 677.7 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 66.6 \\ - 0.666 \\ \hline \end{array}$$

2. Twelve thousand pamphlets were ordered from the printer. Ten of every 1,000 were misprinted. How many pamphlets had to be printed to get 12,000 good copies?
- _____

3. a)
$$13 \overline{) 123}$$

b)
$$22 \overline{) 1.765}$$

4. Find the LCM of

a) 3 and 9 _____

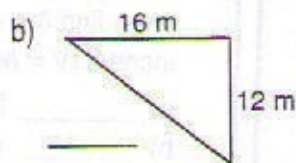
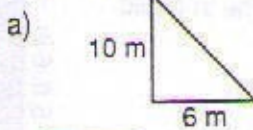
b) 5 and 4 _____

5. At a basketball game, Garnetta scored 8 field goals and 5 free throws. She missed only 2 shots. If a field goal is worth 2 points and a free throw is worth 1 point, then how many points did Garnetta score in all?
- _____

6. a) $50 \times 18 \times 2 =$ _____

b) $4 \times 8 \times 25 =$ _____

7. Find the area of each triangle. ($A = \frac{1}{2}bh$)



8. a) 1 pt. = _____ qt.

b) 3 pt. = _____ qt.

c) 5 pt. = _____ qt.

d) 6 pt. = _____ qt.

9. Write in standard form.

a) six and thirty-four hundredths _____

c) seventy-one tenths _____

b) four thousandths _____

d) seven thousand and thirty-nine thousandths _____

Numberworks

53

Score: _____

1. a)
$$\begin{array}{r} 518 \\ \times 37 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 507 \\ \times 19 \\ \hline \end{array}$$

2. Out of 16 sections in a basketball arena, 4 sections are for reserved seats. Todd said $\frac{4}{16}$ of the seats are reserved. Gail said only $\frac{1}{4}$ are reserved. Who is correct? Tell how you know.
- _____

3. a) $95 + 113 + 5 =$ _____

b) $2 \times 31 \times 50 =$ _____

c) $125 + 36 + 75 =$ _____

4.  perimeter = _____

area = _____

20 yd.

20 yd.

9 yd.

5. Write the sum in simplest form.

a)
$$\begin{array}{r} 30\frac{1}{6} \\ + 30\frac{5}{6} \\ \hline \end{array}$$

b)
$$\begin{array}{r} 53\frac{3}{7} \\ + 72\frac{1}{7} \\ \hline \end{array}$$

6. a) $62 \overline{)496}$

b) $16 \overline{)155}$

7. Find the LCM of

a) 2 and 3 _____

b) 6 and 12 _____

8.
$$\begin{array}{r} 19 \text{ minutes } 28 \text{ seconds} \\ + 10 \text{ minutes } 39 \text{ seconds} \\ \hline \end{array}$$

9. Does this make sense? Write *yes* or *no*. Tell why or why not.

a) A basketball player 7 ft. 4 in. tall has a bed 78 in. long. _____

b) A curtain 54 in. wide covers a window 4 ft. 3 in. wide. _____

c) An extension cord 3 yd. long is used to reach a distance of 8 ft. 6 in. _____

Numberworks 54

1. a)
$$\begin{array}{r} 6.87 \\ 0.975 \\ 83.6 \\ + 0.548 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 1,247.3 \\ 642.8 \\ 376.57 \\ + 29.017 \\ \hline \end{array}$$

2. Find the LCM of

a) 4 and 9 _____

b) 3 and 12 _____

3. Complete with >, <, or =.

a) 3,976 3,980 b) 9,999 10,000

c) 54,079 54,079 d) 786,300 786,099

4. Write the sum in simplest form.

a)
$$\begin{array}{r} 42\frac{1}{2} \\ + 17\frac{1}{2} \\ \hline \end{array}$$

b)
$$\begin{array}{r} 68\frac{5}{10} \\ + 14\frac{3}{10} \\ \hline \end{array}$$

5. Measure each line segment to the nearest $\frac{1}{4}$ in.

a) _____

b) _____

6. Find the GCF of

a) 24 and 18 _____

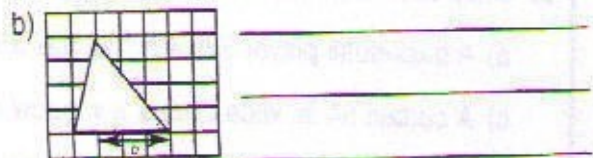
b) 15 and 30 _____

7. a)
$$14 \overline{) 344}$$

b)
$$29 \overline{) 7,020}$$

8. Pilar bought 4 rolls of film for \$2.98 each. She also bought 6 packages of flashbulbs for \$7.49 each. How much did Pilar spend?

9. Give the height, base, and area of each triangle. Remember: $A = \frac{1}{2}bh$



Numberworks 55

Score: _____

1. Complete with $>$, $<$, or $=$.

a) 979,000,000 4×236 million

b) 49 billion 490,000,000

2. a) $198 + 327 =$ _____

b) $216 \div 4 =$ _____

c) $23 \times 5 =$ _____

d) $541 - 302 =$ _____

3. a)
$$\begin{array}{r} 16.6 \\ - 7.8 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 6.17 \\ + 37.6 \\ \hline \end{array}$$

4. a)
$$\begin{array}{r} 3.4 \\ + 5.9 \\ \hline \end{array}$$

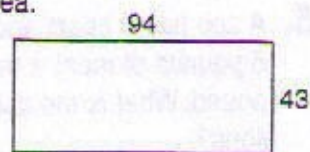
b)
$$\begin{array}{r} 14.86 \\ - 0.626 \\ \hline \end{array}$$

5. Find the GCF of

a) 2 and 7 _____

b) 12 and 24 _____

6. Find the area.



_____ square units

7. The members of the Drama Club can prepare 46 programs each hour. How many hours, to the quarter hour, will it take them to prepare the 263 programs they need for their next performance?

8. a) 450 pennies = _____ quarters

b) or = _____ dimes

c) or = _____ nickels

9. Estimate each sum by rounding to the nearest whole number.

a)
$$\begin{array}{r} 49\frac{1}{2} \\ + 7 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 30\frac{1}{8} \\ + 72 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 111\frac{2}{3} \\ + 3 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 55 \\ + 9\frac{7}{8} \\ \hline \end{array}$$

Name: _____

Date: _____

Numberworks 56

Score: _____

1. Use compatible numbers to estimate.

a) $143 - 44$ _____ b) $79 + 123$ _____

c) $597 + 324$ _____ d) $158 - 78$ _____

e) $\$6.06 - \3.95 _____ f) $\$2.51 + \6.03 _____

2. a)
$$\begin{array}{r} 487 \\ \times 62 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 875 \\ \times 34 \\ \hline \end{array}$$

3. a)
$$\begin{array}{r} 4 \text{ hr. } 55 \text{ min.} \\ + 3 \text{ hr. } 42 \text{ min.} \\ \hline \end{array}$$

b)
$$\begin{array}{r} 7 \text{ hr. } 30 \text{ min.} \\ - 2 \text{ hr. } 35 \text{ min.} \\ \hline \end{array}$$

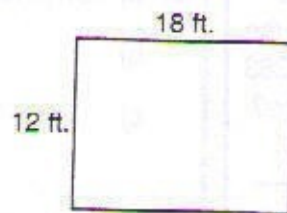
4. a)
$$\begin{array}{r} 57.6 \\ + 2.93 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 79.63 \\ - 57.8 \\ \hline \end{array}$$

5. A zoo has 5 bears and 7 lions. Each lion eats 6 pounds of meat a day. Meat costs \$1.98 per pound. What is the daily cost of meat for the lions?

6. Big Bargain department store is open on Monday through Saturday from 10:00 a.m. to 6:00 p.m. On Sunday, the store is open from 10:00 a.m. to 4:00 p.m. How many hours is the store open per week?

7. What is the area of the floor?



8.

B	1	2	3	4	5	6
C	3	5	7			

9. Find the GCF and LCM of each pair of numbers.

a) 2 and 3

b) 7 and 28

c) 10 and 12

d) 15 and 25

Numberworks 57

Score: _____

1.



Add hands to show 4 hours
10 minutes later than 3:15.

2. a) $193 + 261 =$ _____

b) $874 - 196 =$ _____

c) $989 - 496 =$ _____

d) $354 + 78 =$ _____

3.



Add hands to show 3 hours
before 10:18.

4. a) $17 \overline{) 2,800}$

b) $39 \overline{) 4,519}$

5. Clues:

- The number is a multiple of 4.
- The number is less than the square of 5.
- The sum of its digits is a prime number greater than 2.
- It is not a perfect square.

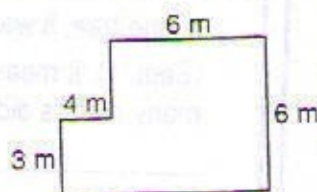
The number is _____

6. The fence between the park and the shopping center is 120 feet long. Each post of the fence is 10 feet apart. If Tran places a notice on each post, how many notices will be posted?
- _____

7. Find the area
and perimeter.

area _____

perimeter _____



8. Crystal bought 3 dresses that cost \$38.94 each, 5 blouses that cost \$15.47 each and 2 skirts that cost a total of \$24.50. How much money did she spend?
- _____

9. Are the fractions equivalent. Write yes or no.

a) $\frac{3}{8} = \frac{6}{16}$ _____

b) $\frac{1}{2} = \frac{5}{8}$ _____

c) $\frac{2}{3} = \frac{4}{9}$ _____

d) $\frac{4}{6} = \frac{6}{9}$ _____

e) $\frac{4}{5} = \frac{6}{10}$ _____

f) $\frac{7}{8} = \frac{14}{16}$ _____

g) $\frac{1}{3} = \frac{4}{12}$ _____

h) $\frac{6}{9} = \frac{3}{4}$ _____

Numberworks 58

Score: _____

1. Complete with $>$, $<$, or $=$.

a) $2,800 \div 4$ 10×70

b) $8,000 \div 8$ 800×10

2. Four girls ran in a 100-meter race. Louise finished behind Cecilia. Li Anne came in last. Sonya finished ahead of Cecilia. Who came in first?

3. a)
$$\begin{array}{r} 12.724 \\ + 83.27 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 431.88 \\ + 86.832 \\ \hline \end{array}$$

4. Write the sum in simplest form.

a)
$$\begin{array}{r} 86\frac{4}{9} \\ + 23\frac{5}{9} \\ \hline \end{array}$$

b)
$$\begin{array}{r} 63\frac{1}{5} \\ + 20\frac{3}{5} \\ \hline \end{array}$$

5. a)
$$\begin{array}{r} 230.40 \\ - 37.625 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 720.7 \\ - 43.08 \\ \hline \end{array}$$

6. Complete the pattern.

Months	Hamburger Sales (1,000s)
1	2
2	5
3	8
4	a) _____
5	b) _____

7. a) $3 + (13 - 5) =$ _____

b) $4 \times (21 \div 7) =$ _____

c) $3 \times 4 \div 2 =$ _____

d) $6 \times (3 + 2) =$ _____

8. On Memorial Day (May 28th), our class planted a pine tree. It was $2\frac{1}{2}$ meters tall. On Labor Day (Sept. 1), it measured 4 meters. About how many meters did it grow each month?

9. Estimate the angle measure. (15° , 30° , 45° , 60° , or 90°)



a) _____



b) _____



c) _____



d) _____

Numberworks 59

Score: _____

1. Find the GCF of

a) 4 and 16 _____

b) 14 and 3 _____

2. a) $23 \overline{) 1,262}$

b) $18 \overline{) 4,480}$

3. a)
$$\begin{array}{r} 38.023 \\ + 91.48 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 60.16 \\ - 2.948 \\ \hline \end{array}$$

4. Estimate each quotient. Tell how you found your answer.

a) $465 \div 6 =$ _____

b) $217 \div 5 =$ _____

c) $800 \div 9 =$ _____

d) $315 \div 8 =$ _____

5. Sheila has a ribbon 126 in. long. She wants to cut it into pieces 18 in. long. How many cuts will she have to make?

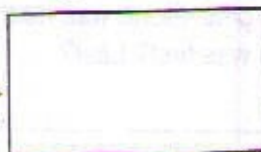
6.



Add hands to show 3 hours later than 11:12.

7. What is the perimeter of the piece of land?

59 mi.



114 mi.

8. Write an improper fraction for each number.

a) $1\frac{3}{5}$

b) $1\frac{7}{9}$

c) $5\frac{1}{2}$

9. Give the greatest whole number and the smallest whole number that round to 10,000 when rounded to the nearest thousand.

Give the greatest decimal number to tenths and the smallest decimal number to tenths that round to 7 when rounded to the nearest whole number.

Numberworks 60

Score: _____

1. a)
$$\begin{array}{r} 681 \\ \times 32 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 345 \\ \times 67 \\ \hline \end{array}$$

2. Marina has ribbons that measure $1\frac{1}{2}$ m, $1\frac{4}{5}$ m, and $1\frac{1}{8}$ m. If she hangs them from shortest to longest, which ribbon will be first? Last?
- _____

3. a)
$$\begin{array}{r} \$553.00 \\ - 103.49 \\ \hline \end{array}$$

b)
$$\begin{array}{r} \$248.99 \\ + 97.88 \\ \hline \end{array}$$

4. a) $6 \times 48 =$ _____
- b) $700 \times 40 =$ _____

5. Ogden Nash's poem, "The Octopus," filled $\frac{1}{4}$ of the page in a reading book. A picture filled $\frac{3}{4}$ of the page. How much greater was the fraction of the page taken up by the picture?
- _____

6. a) $16 \overline{) 3,000}$ b) $31 \overline{) 1,811}$

7. Write from greatest to least.

32.009 32.19 32.9

8. Gregg, Elena, and Lauryn were in line at the video store. Gregg was not first and he was not next to both girls. Elena was next to Lauryn and Gregg. Who was first? Last?
- _____

9. Name the property used. (associative or commutative)

a) $25 + 12 = 12 + 25 =$ _____

b) $(6 \times 1) \times 5 = 6 \times (1 \times 5)$ _____

c) $3 + (4 + 6) = (3 + 4) + 6$ _____

d) $16 + (7 + 9) = (16 + 7) + 9$ _____

e) $8 \times 2 = 2 \times 8$ _____

f) $3 \times (4 \times 2) = (3 \times 4) \times 2$ _____

g) $(17 + 11) + 5 = 17 + (11 + 5)$ _____

h) $15 + (5 + 9) = (15 + 5) + 9$ _____

Numberworks 61

1. a)
$$\begin{array}{r} 8,562 \\ 7 \\ 43 \\ + 109 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 675 \\ 34 \\ 911 \\ + 4,397 \\ \hline \end{array}$$

2. a)
$$\begin{array}{r} 14,582 \\ - 8,190 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 15,987 \\ - 8,584 \\ \hline \end{array}$$

3. Solve to the nearest tenth.

a) $36 \overline{) 1,278}$

b) $18 \overline{) 333}$

4. Millie and José have put 6 qt. of water into their fish tank. It holds 4 gal. How many more quarts of water do they need to put into the tank?

5. Phil has to make payments of \$86.14 a month for 5 years to repay a loan. When his loan is paid off, how much money will he have paid?

6. Write the sum in simplest form.

a)
$$\begin{array}{r} 97\frac{5}{12} \\ + 25\frac{1}{12} \\ \hline \end{array}$$

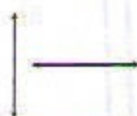
b)
$$\begin{array}{r} 16\frac{3}{10} \\ + 6\frac{1}{10} \\ \hline \end{array}$$

7. Name each figure.

a) _____

b) _____

c) _____



8. Complete the pattern.

3	27
4	36
5	a) _____
6	b) _____

9. Find the products. Match.

a) $3 \times 45 =$ _____

b) $7 \times 54 =$ _____

c) $7 \times 24 =$ _____

d) $3 \times 43 =$ _____

_____ $(7 \times 20) + (7 \times 4)$

_____ $(3 \times 40) + (3 \times 5)$

_____ $(7 \times 50) + (7 \times 4)$

_____ $(3 \times 40) + (3 \times 3)$

Numberworks 62

Score: _____

1. a)
$$\begin{array}{r} 13 \text{ hr. } 29 \text{ min.} \\ - 6 \text{ hr. } 45 \text{ min.} \\ \hline \end{array}$$

2. a)
$$\begin{array}{r} 597 \\ \times 48 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 304 \\ \times 87 \\ \hline \end{array}$$

3. Solve to the nearest tenth.

a) $32 \overline{)272}$

b) $42 \overline{)315}$

4. Letty ran 8 miles every day in August and September. How far did she run in all?

5. a)
$$\begin{array}{r} 1.86 \\ 2.088 \\ + 3.5 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 4.18 \\ - 3.675 \\ \hline \end{array}$$

6. What comes next?

a) 7.25, 6.75, 6.25, _____

b) 3.5, 4.0, 4.5, _____

7. Use mental math to find the products.

a) $20 \times 70 =$ _____

b) $500 \times 200 =$ _____

c) $30 \times 6,000 =$ _____

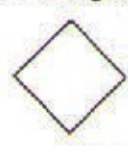
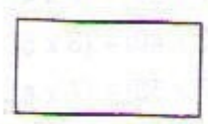
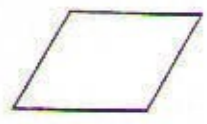
d) $20 \times 30 \times 600 =$ _____

8. Write the sum in simplest form.

a)
$$\begin{array}{r} 10\frac{1}{4} \\ + 3\frac{1}{4} \\ \hline \end{array}$$

b)
$$\begin{array}{r} 11\frac{3}{8} \\ + 7\frac{1}{8} \\ \hline \end{array}$$

9. Write the name that best describes each figure: *square*, *rectangle*, *parallelogram*, *rhombus*, or *trapezoid*.



a) _____

b) _____

c) _____

d) _____

e) _____

Numberworks 63

Score _____

1. Mario is planning a dinner for 144 people. Each table will seat 8 people. How many tables will he need?

2. a) $12\frac{2}{5}$
+ $5\frac{2}{5}$

b) $34\frac{2}{7}$
+ $9\frac{3}{7}$

3. Number clues:
 • The number is between 20 and 30.
 • The number is a prime number.
 • The number is 2 less than a perfect square.
 The number is _____

4. a) $40 \times 800 =$ _____
 b) $70 \times 600 =$ _____
 c) $50 \times 600 =$ _____
 d) $70 \times 10 =$ _____

5. a) 46.2
- 3.85

b) 3.7
+ 2.46

6. Gina owned 87 CDs in fifth grade. She bought an average of 5 more a year. How many did she own in eighth grade?

7. Which quadrilateral has
 • all sides the same length and four right angles? _____
 • only one pair of parallel sides? _____
 • no right angles, but two pairs of parallel sides? _____

8. a) $60 \overline{)360}$
 b) $65 \overline{)4,550}$

9. Write each number in words.
 a) 4,329,000 _____
 b) 7,000,158,000 _____
 c) 3.05 _____
 d) 12.071 _____

Numberworks 64

Score: _____

1. How many more points did Andrea score than Rae? Use the table. _____

Player	Andrea	Mia	Rae
Points	62	59	48

2. Complete with $>$, $<$, or $=$.

a) 30×20 $480 \div 6$

b) $3,500 \div 7$ 100×50

3. a) $5 \times (3 + 3) =$ _____

b) $(16 \div 4) + 9 =$ _____

c) $7 + (54 \div 9) =$ _____

d) $6 \div 6 + 4 =$ _____

4. Julia bought lemonade for herself and 4 others. Each drink cost \$2.75. How much did she spend?

5. Draw a ray.

Call it \overline{XY} .

Draw a line.

Call it \overline{CD} .

6. Write each sum in simplest form.

$$\begin{array}{r} \text{a) } 13\frac{5}{6} \\ + 2\frac{1}{6} \\ \hline \end{array}$$

$$\begin{array}{r} \text{b) } 17\frac{7}{9} \\ + 4\frac{1}{9} \\ \hline \end{array}$$

7. a)
$$\begin{array}{r} 169,237 \\ + 46,193 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 12,266 \\ - 6,274 \\ \hline \end{array}$$

8. a) 4.5 yd. = _____ ft.

b) 13.5 ft. = _____ in.

9. Write each numerical expression using words. Then solve.

a) $56 \div 8$

b) $36 - 6$

c) 9×9

Numberworks 65

Score: _____

1. a) $\begin{array}{r} \$5.63 \\ + 2.48 \\ \hline \end{array}$

b) $\begin{array}{r} 8.985 \\ + 4.69 \\ \hline \end{array}$

2. Solve to the nearest tenth.

a) $14 \overline{) 3,437}$

b) $90 \overline{) 6,822}$

3. a) $60 \times 200 = \underline{\hspace{2cm}}$

b) $70 \times 60 = \underline{\hspace{2cm}}$

c) $40 \times 700 = \underline{\hspace{2cm}}$

d) $300 \times 400 = \underline{\hspace{2cm}}$

4. a) $\begin{array}{r} 4.95 \\ - 2.30 \\ \hline \end{array}$

b) $\begin{array}{r} 1.578 \\ - 0.39 \\ \hline \end{array}$

5. If a slice of pizza has 145 calories, how many calories are in a pizza with six slices? Eight slices?

Let n = total number of calories in the pizza.
 $n = 6 \times 145$

6. Write each sum in simplest form.

a) $\begin{array}{r} 14\frac{5}{12} \\ + 8\frac{1}{12} \\ \hline \end{array}$

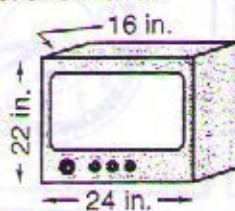
b) $\begin{array}{r} 18\frac{3}{12} \\ + 10\frac{5}{12} \\ \hline \end{array}$

7. Change each measure to feet and inches.

a) TV width _____

b) TV height _____

c) TV depth _____



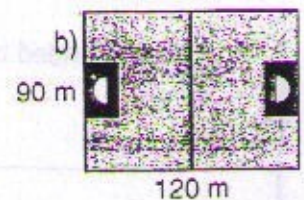
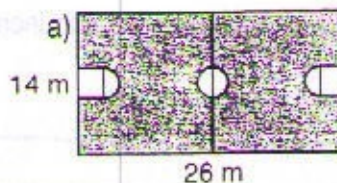
8.

A	1	2	3	4	5	6
S	1	3	5			11

9. Find the perimeter of each figure.
Write yes if you used a formula.

a) basketball court _____

b) soccer field _____



Numberworks 66

Score: _____

1. a)
$$\begin{array}{r} 6.29 \\ - 5.7 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 23.4 \\ + 61.63 \\ \hline \end{array}$$

2. a) $3 \times (5 + 8) = \underline{\hspace{2cm}}$

b) $3,812 - 501 = \underline{\hspace{2cm}}$

c) $96 - 8 \times 3 = \underline{\hspace{2cm}}$

d) $94 + 24 \div 4 = \underline{\hspace{2cm}}$

3. a) $20 \times 30 \times 20 = \underline{\hspace{2cm}}$

b) $100 \times 20 \times 50 = \underline{\hspace{2cm}}$

c) $10 \times 400 \times 20 = \underline{\hspace{2cm}}$

d) $40 \times 10 \times 10 \times 60 = \underline{\hspace{2cm}}$

4. Forty baby animals were born in the zoo last year. There were 6 more females than males. How many of each were born?
- _____

5. Solve to the nearest tenth.

a) $16 \overline{) 2,808}$

b) $90 \overline{) 45,072}$

6. Write each sum in simplest form.

a)
$$\begin{array}{r} 51\frac{6}{7} \\ + 73 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 10\frac{1}{3} \\ + 46\frac{2}{3} \\ \hline \end{array}$$

7. Mr. Grossman, the tennis coach, bought 60 cartons of tennis balls. Each carton contained 10 cans of tennis balls. There were 3 tennis balls in each can. How many tennis balls were there in all?
- _____

8.



What time will it be in 3 hrs. 10 min.?

9. Write each numerical expression using symbols. Then solve.

a) fifteen divided by three

b) one-fifth increased by one-fifth

c) seventy-two less nine

Numberworks 67

Score: _____

1. Solve to the nearest tenth.

a) $32 \overline{) 1,248}$

b) $20 \overline{) 646}$

2. a)
$$\begin{array}{r} 0.036 \\ 1.208 \\ + 29.1 \\ \hline \end{array}$$

b)
$$\begin{array}{r} \$316.07 \\ 412.10 \\ + 628.86 \\ \hline \end{array}$$

3. a) $(35 \div 7) \times 5 = \underline{\hspace{2cm}}$

b) $(49 \div 7) + 6 = \underline{\hspace{2cm}}$

c) $(72 \div 8) \times 5 = \underline{\hspace{2cm}}$

4. The soccer team played 5 games that ended in a tie. What do you need to know to determine the total number of games?

- a) number of players b) wins
c) wins and losses d) losses

5. Write the sum in simplest form.

a)
$$\begin{array}{r} 38\frac{1}{2} \\ + 5\frac{1}{2} \\ \hline \end{array}$$

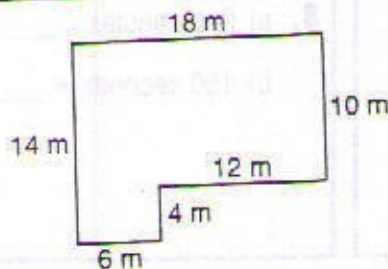
b)
$$\begin{array}{r} 45\frac{5}{6} \\ + 16 \\ \hline \end{array}$$

6.

A	1	2	3	4	5	6
B	9	12	15			

7. a) perimeter = _____

b) area = _____



8. a) 2,000 lb = _____ tons

b) 5,000 lb = _____ tons

c) 11,000 lb = _____ tons

9. Clues:

- The sum of its digits is a perfect square.
- It is greater than 10 but less than 100.
- It is a composite number.

The number that fits all the clues is _____

Is the number:

9,

13,

18,

79, or

889?

Score: _____

Numberworks 68

Score: _____

1. a) $5 \times 19 \times 2 =$ _____
 b) $20 \times 37 \times 5 =$ _____
 c) $25 + 9 + 25 =$ _____
 d) $6 + 9 + 94 + 1 =$ _____

2. a)
$$\begin{array}{r} 4,364.5 \\ - 867.83 \\ \hline \end{array}$$
 b)
$$\begin{array}{r} 6,034 \\ - 2,993.56 \\ \hline \end{array}$$

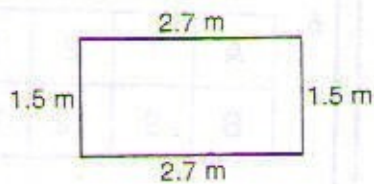
3. Elena had a piece of cloth that was $7\frac{3}{4}$ yards long. She used $3\frac{1}{4}$ yards to make a blouse. How many yards of cloth did she have left?

4. Write the sum in simplest form.

a)
$$\begin{array}{r} 53\frac{1}{2} \\ + 53 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 3\frac{1}{3} \\ + 97\frac{2}{3} \\ \hline \end{array}$$

5. a) perimeter = _____



- b) area = _____

- 6.

W	10	20	30	40	50	60
B	21	41				121

7. Solve to the nearest tenth.

a) $22 \overline{) 8,921}$ b) $15 \overline{) 465}$

8. a) 210 minutes = _____ hours

b) 150 seconds = _____ minutes

9. Name the property (commutative or associative) used to complete steps B and C.

a) A) $25 + (38 + 25)$

b) A) $16 + (14 + 28)$

B) $25 + (25 + 38)$ _____

B) $(14 + 28) + 16$ _____

C) $(25 + 38) + 25$ _____

C) $(16 + 14) + 28$ _____

Numberworks 69

Score: _____

1. Solve to the nearest tenth.

a) $14 \overline{) 2,401}$

b) $60 \overline{) 3,222}$

2. a) $\$174.37$

245.00

25.50

$+ 150.98$

b) $\$429.46$

564.17

459.83

$+ 506.54$

3. a) $\begin{array}{r} 186 \\ - 27.56 \\ \hline \end{array}$

$- 27.56$

b) $\begin{array}{r} 9,634.87 \\ - 5,798.5 \\ \hline \end{array}$

$- 5,798.5$

4. Pat and John have 93 model cars. Pat has twice as many as John. How many cars does Pat have?

5. Draw a line.

Call it \overline{MN} .

Draw a line segment.

Call it \overline{LK} .

6. a) $1 - \frac{1}{7} = \underline{\hspace{2cm}}$

b) $1 - \frac{1}{9} = \underline{\hspace{2cm}}$

7. Tamika walks 7 miles every day. How far will she walk in the month of July?

8. a) $\begin{array}{r} 103 \\ \times 17 \\ \hline \end{array}$

$\times 17$

b) $\begin{array}{r} 68 \\ \times 25 \\ \hline \end{array}$

$\times 25$

9. Use the properties to help you find the missing numbers.

a) $15 \times 1 = \square$

c) $12 + 0 = \square + 12$

e) $(3 \times 5) \times 7 = (\square \times 3) \times 7$

b) $4 + (5 + 6) = (\square + 5) + 6$

d) $8 + \square = 8$

f) $(4 \times 1) \times 5 = \square \times (\square \times 5)$

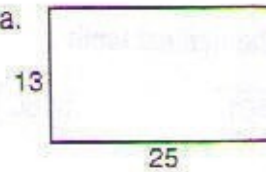
Numberworks 70

Score: _____

1. Round to the underlined place value.

- a) 8.43 _____ b) 15.76 _____
 c) 21.75 _____ d) 0.58 _____
 e) 1.288 _____ f) 7.052 _____
 g) 8.624 _____ h) 39.851 _____

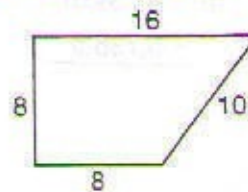
2. Find the area.



area = _____ square units

3. In a frog-jumping contest, Kyle jumped 2.3 meters, Tony jumped 1.8 meters, and Freddy jumped 2.1 meters. How much farther did Kyle jump than Tony?

4. Find the area and perimeter.



A = _____

P = _____

5. Number clues:

- It is a prime number.
- It is less than 10.
- It has a remainder of 1 when divided by 3.

The number is _____

6. Chris received \$1.13 from the clerk after purchasing a camera for \$17.88 and film for \$5.99. How much money did he give the clerk?

7. Shantae fell asleep at 11:14 a.m. She woke up when the phone rang at 1:48 p.m. How long did Shantae sleep?

8. a) $5 \times 17 \times 2 =$ _____

b) $147 \times 5 \times 2 =$ _____

c) $5 \times 168 \times 2 =$ _____

9. Find the GCF and LCM of each pair of numbers.

a) 2 and 9

b) 3 and 12

c) 6 and 14

Name: _____

Date: _____

Numberworks

71

Score: _____

1. Write each number in standard form.

- a) Four hundred thousand, ninety _____
 b) One hundred three thousand, three hundred fifty _____
 c) Sixteen hundred _____

2. a) $20 + 47 + 80 =$ _____

b) $60 + 50 + 40 =$ _____

c) $3 \times 20 \times 5 =$ _____

d) $11 \times 4 \times 25 =$ _____

3. a)
$$\begin{array}{r} 4,674.35 \\ - 98.9 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 3,968.9 \\ 78.82 \\ 878.037 \\ + 78 \\ \hline \end{array}$$

4. a)
$$\begin{array}{r} 982 \\ \times 18 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 907 \\ \times 90 \\ \hline \end{array}$$

5. Solve to the nearest tenth.

a) $41 \overline{)501}$

b) $13 \overline{)252}$

6. Round to the underlined place value.

a) $66.\underline{0}6$ _____

b) $1.\underline{4}2$ _____

c) $0.\underline{9}34$ _____

d) $21.\underline{3}81$ _____

7. Bev has fewer books than Nick. Nick has more books than George. Bev has more books than Rod. Who has the most books?

- a) Bev b) Nick
 c) George d) Rod

8. The Tri-County League had 12 teams. There were 15 players on each team. How many players were there in the league?

9. Write as an improper fraction.

a) $7\frac{2}{3}$

b) $12\frac{1}{2}$

c) $9\frac{4}{5}$

d) $100\frac{1}{7}$

Numberworks 72

Score: _____

1. a) $25 + 35 + 25 =$ _____

b) $225 + 157 + 175 =$ _____

c) $45 \times 50 \times 2 =$ _____

d) $5 \times 16 \times 20 =$ _____

2. a) $4,386$

$$\begin{array}{r} 4,386 \\ - 975 \\ \hline \end{array}$$

$$\begin{array}{r} 8,761 \\ + 18 \\ \hline \end{array}$$

b) $437,603$

$$\begin{array}{r} 437,603 \\ - 87,915 \\ \hline \end{array}$$

3. Round to the nearest tenth.

a) $4,205 \div 6 =$ _____

b) $3,504 \div 5 =$ _____

4. a) 84

$$\begin{array}{r} 84 \\ \times 64 \\ \hline \end{array}$$

b) 163

$$\begin{array}{r} 163 \\ \times 75 \\ \hline \end{array}$$

5. There are 98 parents serving as coaches. There are 15 times as many players as coaches. How many players are there?

6. a) $8 \text{ m } 4 \text{ cm} =$ _____ cm

b) $10 \text{ m } 1 \text{ cm} =$ _____ cm

7. Write the sum in simplest form.

$$\begin{array}{r} 59\frac{3}{5} \\ + 23\frac{1}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 20\frac{5}{8} \\ + 24\frac{1}{8} \\ \hline \end{array}$$

8. Complete the pattern.

a) _____; _____; 2,801; 3,801; 4,801

b) 1,249; _____; 1,255; 1,261; 1,269

9. Place a decimal point in the middle number so that the numbers are in order from least to greatest.

a) 3

3 4 5

4

b) 0.3

5 7 3

1

c) 0.34

4 0 6

0.43

Numberworks 73

1. a) $5,006 - 2,777 =$ _____

b) $127.17 - 46.88 =$ _____

c) $58.32 \div 6 =$ _____

d) $225 - 50 =$ _____

2. a) $800 \times 90 =$ _____

b) $900 \times 40 =$ _____

c) $80 \times 70 =$ _____

d) $40 \times 80 =$ _____

3. One admission ticket to the fun house costs \$3.75. How many tickets can Ruben buy with a ten dollar bill?
- _____

4. Find the LCM of

a) 2 and 8 _____

b) 4 and 24 _____

5. Number clues:

- The number is a multiple of 3 and multiple of 5.
- The number is less than the square of 8.
- The sum of its digits is a prime number.

The number is _____

6. a) $2,500 \text{ m} =$ _____ km

b) $700 \text{ m} =$ _____ km

c) $9,250 \text{ m} =$ _____ km

7. Find the GCF of

a) 2 and 8 _____

b) 4 and 24 _____

8. Complete the pattern.

a) 15.8, 14.6, 13.4, _____, _____

b) 4.125, 6.250, 8.375, _____, _____

9. Estimate whether each angle is closest to 15° , 30° , 45° , 60° , or 90° . Use a protractor to check your estimates



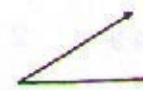
a) _____



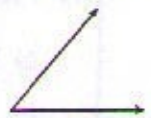
b) _____



c) _____



d) _____



e) _____

Numberworks 74

Score: _____

1. Complete with $>$, $<$, or $=$.

a) 0.069 0.690

b) 27.15 27.150

c) 0.790 0.791

2. a) $325 + 183 + 175 =$ _____

b) $714 + 111 =$ _____

c) $526 + 225 + 147 =$ _____

d) $727 \times 4 =$ _____

3. a) $\$14.24 \times 10 \times 10 =$ _____

b) $5 \times 4 \times 20 =$ _____

c) $2 \times 439 \times 5 =$ _____

4. Mia's basket held 28 plastic eggs. Inside each egg were 3 pieces of candy and a small toy. How many pieces of candy were in the basket?

5. a) $\begin{array}{r} 7 \text{ hr. } 10 \text{ min.} \\ + 8 \text{ hr. } 50 \text{ min.} \\ \hline \end{array}$

b) $\begin{array}{r} 9 \text{ hr. } 13 \text{ min.} \\ + 7 \text{ hr. } 59 \text{ min.} \\ \hline \end{array}$

6. Draw a regular hexagon.

7. Draw an isosceles triangle and show a line of symmetry.

8. Copy and complete the following statement.

To check a division problem, multiply the

_____ by the _____.

Add the _____.

9. Place a decimal point in the middle number so that the numbers are in order from greatest to least.

a) 3 2 4 9 2 b) 1 4 2 4 0.3 c) 0.93 9 0 6 0.89

Numberworks 75

Score: _____

1. a)
$$\begin{array}{r} 467.51 \\ + 548.981 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 5,289 \\ + 76.36 \\ \hline \end{array}$$

2. a) $4,020 - 40 =$ _____

b) $634 + 2,518 + 19 =$ _____

3. An order form for Girl Scout cookies holds 35 names. How many forms will Debra need if she has 117 names?

4. a)
$$\begin{array}{r} 608 \\ \times 19 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 74 \\ \times 76 \\ \hline \end{array}$$

5. a) $6 \text{ m} =$ _____ cm

b) $2 \text{ kg} =$ _____ g

c) $24 \text{ l} =$ _____ ml

d) $100 \text{ cm} =$ _____ m

6. Twenty-nine students each use 3 beakers in an experiment. How many beakers are used?

7. Which number sentence goes with $12 \times 9 = 108$?

a) $9 \times 120 = 1080$

b) $108 \times 12 = 1296$

c) $108 \div 12 = 9$

d) $120 \div 10 = 12$

8. Write *isosceles* or *equilateral*.

a) Every _____ triangle is also an isosceles triangle.

b) Some _____ triangles are also equilateral triangles.

9. a) Give the greatest number and the smallest number that round to 20,000 when rounded to the nearest thousand.

b) Give the greatest number and the smallest number that round to 1,000 when rounded to the nearest thousand.

Numberworks 76

Score: _____

1. Solve to the nearest tenth.

a) $2,251 \div 13 =$ _____

b) $2,535 \div 15 =$ _____

c) $1,809 \div 30 =$ _____

2. Find the GCF of

a) 24 and 112 _____

b) 19 and 38 _____

3. Complete with $<$, $>$, or $=$.

a) 39.6 36.9

b) 1.295 12.96

c) 50.19 50.2

4. There are 12 dozen eggs in a gross. How many eggs is this?

5. a)
$$\begin{array}{r} 54 \\ \times 45 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 260 \\ \times 56 \\ \hline \end{array}$$

6. Write the sum in simplest form.

a)
$$\begin{array}{r} 85\frac{1}{7} \\ + 21\frac{4}{7} \\ \hline \end{array}$$

b)
$$\begin{array}{r} 96\frac{7}{12} \\ + 31\frac{1}{12} \\ \hline \end{array}$$

7. Ty is fencing his yard. The yard is a 15-foot by 18-foot rectangle. How many feet of fencing does Ty need?

8.



Add hands to show $2\frac{1}{4}$ hours before 10:18.

9. Give the property that tells you that each expression names the same number.

a) $12 + 15 = 15 + 12$ _____

b) $3 + (8 + 6) = (3 + 8) + 6$ _____

c) $7 + 0 = 7$ _____

d) $(1 \times 5) \times 7 = (5 \times 1) \times 7$ _____

Numberworks 77

Score: _____

1. Write each number in standard form.

- a) Three hundred one thousand, eight hundred _____
- b) One hundred twenty thousand, seven _____
- c) Fourteen million, fourteen _____

2. Solve using compatible numbers.

- a) $75 \times 10 \times 5 \times 2 =$ _____
- b) $150 + 17 + 50 + 3 =$ _____
- c) $4 \times 8 \times 25 \times 2 =$ _____

3. a)

57

97

3,482

+ 8,374

b) 52,031

- 39,271

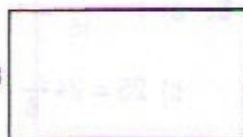
4. Pens are on sale for \$8 per dozen. They are regularly 79¢ each. How much can be saved on each pen by buying a dozen?

5. Tara put a wire fence around her square garden. When she finished, she had 8 m of wire fence left. She started with a total of 40 m of fence. How long was each side of the garden?

6. Two puppet teams perform each Sunday. The teams change every three months. How many teams are needed per year?

7. Find the area.

18



41

_____ square units

8. Complete the pattern.

- a) _____, 328, 331, 334, 337, _____
- b) 172, 165, 158, 151, _____
- c) 115, _____, 91, 79, 67, 55

9. Choose the appropriate customary unit (miles, cups, gallons, ounces, yards, degrees).

- a) Temperature of boiling water _____
- b) Weight of a white mouse _____
- c) Distance from Chicago to Houston _____
- d) Length of a football field _____
- e) Amount of flour in a loaf of bread _____
- f) Amount of water in a bathtub _____

Numberworks 78

Score: _____

1. a) $4 \times 2 \times 6 \times 50 =$ _____
 b) $25 \times 2 \times 2 \times 9 =$ _____
 c) $125 + 27 + 3 + 75 =$ _____

2. A loaf of bread has 36 slices. Nine slices remain. What fraction of the loaf remains?

3. Solve to the nearest tenth.

a) $18 \overline{)351}$ b) $70 \overline{)2,870}$

4. The soccer budget is \$150. Three balls were purchased for \$22.50 each. \$65 was set aside for entry fees and trophies. How much is left for other expenses?

5. Complete the pattern.

- a) 2, 6, 10, 14, 18, _____, _____, _____
 b) 1, 4, 9, 16, 25, _____, _____, _____
 c) 50, 43, 36, 29, 22, _____, _____, _____
 d) 1, 1, 2, 3, 5, 8, _____, _____, _____

6. a) 1 T 64 oz. = _____ lb.
 b) 200 lb. = _____ oz.
 c) 1 T = _____ oz.

7. a) It is 7:52 a.m. In 9 hours, it will be _____
 b) It is 10:15 p.m. In 4.5 hours, it will be _____

8. a) $1 - \frac{7}{15} =$ b) $4 - \frac{3}{5} =$
 c) $25 = 24 \frac{\quad}{8}$ d) $15 = 14 \frac{\quad}{3}$

9. Write each number in standard form.

- a) three hundred forty-four thousandths _____
 b) one and one hundred three thousandths _____
 c) thirty-nine thousandths _____

Numberworks 79

Score: _____

1. a)
$$\begin{array}{r} 936.5 \\ + 4.51 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 6.576 \\ - 0.93 \\ \hline \end{array}$$

2. a) $80 \times 500 =$ _____

b) $60 \times 40 =$ _____

c) $60 \times 900 =$ _____

d) $90 \times 700 =$ _____

3. Find the LCM and GCF of

a) 5 and 6 _____

b) 9 and 15 _____

4. Solve to the nearest tenth.

a) $17 \overline{) 378}$

b) $42 \overline{) 1,895}$

5. The farmer planted 8 rows of corn, 2 rows of marigolds, 16 rows of peas, 2 rows of marigolds, and 24 rows of okra. If this pattern continues, what will the farmer plant next?

6. Solve using mental math.

$400 \times 80 \times 20 =$

a) 32,000

b) 640,000

c) 160,000

d) 1,280,000

7. a) $B \times B \times B = 27$ $B =$ _____

b) $P + P + P = 27$ $P =$ _____

c) $A \div 2 = 27$ $A =$ _____

8. a) 1,200 grams = _____ kilograms

b) 2 kilograms 68 grams = _____ grams

c) 0.5 kilograms = _____ grams

9. Does a right triangle with a base greater than the base of another right triangle always have the greater area? Give examples to support your reasoning.

Numberworks 80

Score: _____

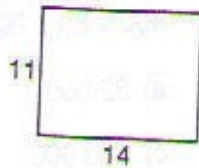
1. Draw a pair of lines that are
- perpendicular to each other
 - parallel to each other

2. Solve using mental math.
 $300 \times 40 \times 80 =$
- 240,000
 - 120,000
 - 960,000
 - 150,000

3. Draw a pair of intersecting lines that are not perpendicular.

4. Solve to the nearest tenth.
- $15 \overline{) 3,012}$
 - $70 \overline{) 2,229}$

5. Solve for area.



_____ square units

6. At the zoo, each member of a group of 20 people bought either a snack or a drink. Drinks cost \$1 and snacks twice that amount. If they paid a total of \$25 for the purchases, how many drinks and how many snacks did they buy?
- _____

7. On Tuesdays, it costs \$2.50 to attend the movie. How many friends can Jo take with her if she has a ten dollar bill?
- _____

8. Give the next equivalent fractions.

a) $\frac{1}{2} = \frac{\square}{\square}, \frac{\square}{\square}, \frac{\square}{\square}$ b) $\frac{1}{3} = \frac{\square}{\square}, \frac{\square}{\square}, \frac{\square}{\square}$

9. Use place value to write the numbers in standard form.

- 3 tens, 2 hundreds, 2 thousands, and 1 hundred thousand _____
- 1 one, 1 ten, 4 hundred thousands, 9 thousands, and 9 ten thousands _____
- 9 ten thousands, and 6 tens _____

Numberworks 81

Score: _____

1. $a = 48, b = 4$

- a) $a + b =$ _____
- b) $a - b =$ _____
- c) $a \times b =$ _____
- d) $a \div b =$ _____

2. Write the number that makes the equation true

- a) $(4 + 8) + \underline{\hspace{1cm}} = 7 + (9 - 1)$
- b) $4 + (3 \times \underline{\hspace{1cm}}) = 9 + 10$
- c) $(2 \times 6) + 3 = \underline{\hspace{1cm}} + 11$

3. The restaurant has 60 pounds of lettuce and 60 ounces of tomatoes. Which is heavier? By how much?

4. A Bunsen burner costs \$37.50. The flame spreader costs \$15.95. The lab needs 11 Bunsen burners and flame spreaders. How much more will the Bunsen burners cost than the flame spreaders?

5. Estimate each quotient.

- a) $30 \overline{)256}$
- b) $5 \overline{)263}$
- c) $80 \overline{)177}$
- d) $40 \overline{)372}$
- e) $7 \overline{)445}$
- f) $20 \overline{)164}$

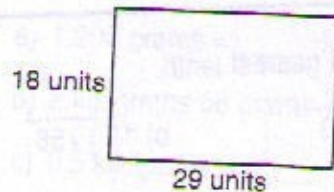
6. Write the fraction as a division problem.

- a) $\frac{6}{5} = \overline{\hspace{1cm}}$
- b) $\frac{20}{2} = \overline{\hspace{1cm}}$

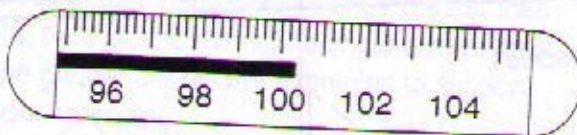
7. Write the next 3 equivalent fractions.

- a) $\frac{1}{4} = \frac{\square}{\square}, \frac{\square}{\square}, \frac{\square}{\square}$
- b) $\frac{1}{5} = \frac{\square}{\square}, \frac{\square}{\square}, \frac{\square}{\square}$

8. Find the area.



9. Give each temperature to the nearest tenth of one degree.



a) _____



b) _____

Numberworks 82

Score: _____

1. Write each number in standard form.

- a) Three hundred thousand, eight _____
- b) One hundred four thousand, three hundred seven _____

2. a) 48 ounces = _____ pounds

b) 5 gallons 1 quart = _____ quarts

c) 4 yards 9 inches = _____ inches

3. a)
$$\begin{array}{r} \$40.30 \\ - 10.12 \\ \hline \end{array}$$

b)
$$\begin{array}{r} \$43.86 \\ .59 \\ 8.75 \\ + .06 \\ \hline \end{array}$$

4. At the game farm, there are a total of 48 rabbits, chickens, and sheep. There are half as many sheep as rabbits, and three times as many chickens as sheep. How many of each animal are there?

5. a)
$$\begin{array}{r} 986 \\ \times 17 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 159 \\ \times 60 \\ \hline \end{array}$$

6. What would be the best choice for estimating the quotient of $2,286 \div 3$?

a) $2,000 \div 3$

b) $1,800 \div 3$

c) $3,000 \div 3$

d) $2,100 \div 3$

7. Solve to the nearest tenth.

a) $40 \overline{)2,900}$

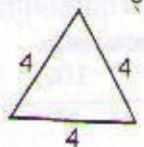
b) $15 \overline{)756}$

8. Write the fraction as a division problem.

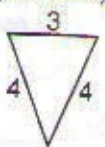
a) $\frac{7}{2} = \overline{) \quad}$

b) $\frac{9}{5} = \overline{) \quad}$

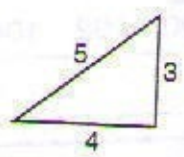
9. Label each triangle as scalene, equilateral, or isosceles.



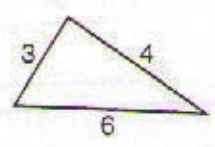
a) _____



b) _____



c) _____



d) _____

Numberworks 83

Score: _____

1. a)
$$\begin{array}{r} 124.7 \\ - 24.867 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 8.37 \\ - 4.849 \\ \hline \end{array}$$

2. a) If $a + b = b + c$, then $a =$ _____

b) If $xy = xz$, then $y =$ _____

3. The Wu family takes a 7-mile bicycle trip together every Saturday in good weather. How far would they ride during 5 trips?
- _____

4. a) $(3 + 4) \times 6 =$ _____

b) $(6 + 8) - 9 =$ _____

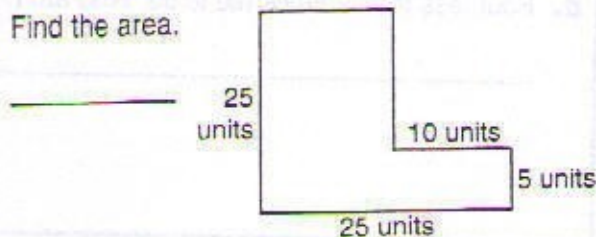
c) $9 + (4 \times 2) =$ _____

5. a) $2 = 1\frac{\quad}{7}$

b) $7 = 6\frac{\quad}{10}$

6. The Fleet Feet scored 103 points during the 1989 season. They scored 121 points during the 1990 season. How many more points did they score in 1990?
- _____

7. Find the area.



8. a) $3.5 \text{ km} =$ _____ m

b) $3.5 \text{ m} =$ _____ cm

c) $3.5 \text{ cm} =$ _____ mm

9. Write the three whole numbers that

a) follow 250,000

b) precede 250,000

Numberworks 84

Score: _____

1. a)
$$\begin{array}{r} 47,836 \\ 4,927 \\ + \quad 398 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 51,764 \\ + 27,896 \\ \hline \end{array}$$

2. Write the number that makes the equation true.

a) $(9 - 3) - 2 = \underline{\hspace{2cm}} + (8 - 7)$

b) $\underline{\hspace{2cm}} \times (2 \times 4) = 2 \times (4 \times 6)$

c) $2 \times 4 \times 3 = \underline{\hspace{2cm}} \times 2 \times 2$

3. a) $31 \overline{) \$1.24}$

b) $4 \overline{) \$15.88}$

4. If the human heart beats an average of 72 beats in a minute, how many times will it beat in 55 minutes?

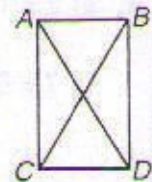
5. Mario made 5 large pizzas with 12 slices in each. One-fourth of the pizza was not eaten at the party. How many slices were left?

6. Write *parallel*, *diagonals*, or *perpendicular*.

a) \overline{AB} and \overline{CD} are _____

b) \overline{AC} and \overline{BD} are _____

c) \overline{AD} and \overline{BC} are _____



7. a) 24 oz. = _____ lb.

b) 48 oz. = _____ lb.

c) 56 oz. = _____ lb.

d) 72 oz. = _____ lb.

8. Four less than 2 times me is 50. Who am I?

9. Use mental math to round each factor and estimate each product.

a)
$$\begin{array}{r} 64 \\ \times 19 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 47 \\ \times 18 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 279 \\ \times 85 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 841 \\ \times 37 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 625 \\ \times 73 \\ \hline \end{array}$$

Numberworks 85

Score: _____

1. a)
$$\begin{array}{r} 46.85 \\ 26.9 \\ 3.78 \\ + 0.159 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 7.248 \\ - 3.9 \\ \hline \end{array}$$

2. a) $10 \times 79 \times 10 =$ _____

b) $20 \times 47 \times 5 =$ _____

c) $60 + 93 + 2 + 40 =$ _____

d) $20 + 54 + 80 + 4 =$ _____

3. Solve to the nearest tenth.

a) $70 \overline{)496}$

b) $19 \overline{)463}$

4. George needs 100 feet of wire. Each roll contains 25 yards. How many rolls will George need to buy? Will he have any left?

5. Raphael's family plans to drive 146 km from Laredo to Monterey, 600 km from Monterey to Mexico City, and 249 km from Mexico City to Acapulco. How many km will they have driven when they arrive in Acapulco?

6. Complete the pattern.

a) _____, 299, 289, 279, 269

b) 149, 151, 155, 161, 169, _____

c) 992, 985, 978, 971, _____

7. Write each sum in simplest form.

a)
$$\begin{array}{r} \frac{1}{8} \\ + \frac{3}{8} \\ \hline \end{array}$$

b)
$$\begin{array}{r} \frac{5}{10} \\ + \frac{3}{10} \\ \hline \end{array}$$

c)
$$\begin{array}{r} \frac{2}{4} \\ + \frac{1}{4} \\ \hline \end{array}$$

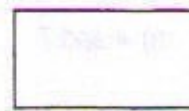
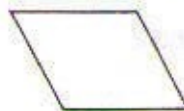
8. Do the statements below make sense?

a) _____ A pint jar holds four cups.

b) _____ A quart jar holds six cups.

c) _____ A gallon jug holds sixteen cups.

9. Give the number of lines of symmetry for each geometric shape. Trace and fold the shape if necessary.



a) _____

b) _____

c) _____

Numberworks 86

Score: _____

1. Circle every set that contains 2 even numbers.

- a) 83, 68 b) 76, 91 c) 20, 44
 d) 64, 98 e) 87, 65 f) 86, 10
 g) 13, 9 h) 72, 31

2. Find x in each equation.

- a) $3x = 12$ _____
 b) $2x + 1 = 15$ _____

3. a) $\$21.24$ b) $\$ 7.48$
 $\quad - 16.54$ $\quad 3.88$
 $\quad \quad \quad 34.27$
 $\quad \quad \quad + 1.57$

4. Solve to the nearest tenth.

- a) $16 \overline{) 2,446}$ b) $70 \overline{) 3,990}$

5. a) 3 yd. 3 ft. = _____ ft.
 b) 1 yd. 2 ft. = _____ ft.
 c) 6 yd. 3 ft. = _____ ft.
 d) 43 yd. 8 ft. = _____ ft.

6. Clay received the following scores on his tests: 94, 78, 80, 100, 98. Find the average.

7. School uniforms include shirts, shorts, and pants in blue, gold, or khaki. How many different combinations can be worn?

8. a) $\begin{array}{r} 84 \\ \times 35 \\ \hline \end{array}$ b) $\begin{array}{r} 43 \\ \times 79 \\ \hline \end{array}$

9. Find the LCM and GCF for each pair of numbers.

a) 4 and 7

b) 14 and 8

c) 20 and 24

d) 5 and 9

Numberworks 87

Score: _____

1. Do you have enough?

a) You need 1 lb. of grapes.
You have 26 oz. _____

b) You need 1 ton of cement.
You have four 200-lb. bags. _____

2. What is the value of each digit in the number 1,245,789?

a) 1 _____ c) 5 _____

b) 2 _____ d) 7 _____

3. a)
$$\begin{array}{r} 907 \\ \times 88 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 146 \\ \times 24 \\ \hline \end{array}$$

4. The Buffalo Middle School track team had the following times in the first heat: 41.62 seconds; 39.2 seconds; 52.14 seconds. Put the times in order from fastest to slowest.

5. Ariana sold \$160.20 worth of magazine subscriptions in her neighborhood. She earned a total of \$24.03 for her work. If the payment rate was \$0.89 per subscription, how many subscriptions did she sell?

6. Write the difference in simplest form.

a)
$$\begin{array}{r} \frac{3}{8} \\ - \frac{2}{8} \\ \hline \end{array}$$

b)
$$\begin{array}{r} \frac{13}{15} \\ - \frac{4}{15} \\ \hline \end{array}$$

c)
$$\begin{array}{r} \frac{7}{8} \\ - \frac{5}{8} \\ \hline \end{array}$$

7. Use mental math to solve.

a) $6,030 \div 15 =$ _____

b) $1,800 \div 30 =$ _____

c) $21,105 \div 3 =$ _____

8. The Science Club has 12 fruit flies. If they double in number every 3 days, how many fruit flies will they have in three weeks?

9. Which would be a better choice for estimating the quotient? Circle A or B.

a) $138 \div 8$

A. $80 \div 8$

B. $160 \div 8$

b) $168 \div 5$

A. $150 \div 5$

B. $200 \div 5$

c) $405 \div 7$

A. $350 \div 7$

B. $420 \div 7$

Numberworks 88

Score: _____

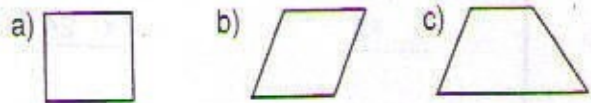
1. a) $\$35.15$ b) $\$ 6.38$
 $\underline{- 12.28}$ $\underline{1.27}$
 72.91
 $\underline{+ 1.01}$

2. Circle every set that contains 2 odd numbers.

- a) 83, 68 b) 33, 12 c) 76, 91
 d) 64, 98 e) 51, 63 f) 87, 65
 g) 21, 17 h) 55, 66

3. Jacque types 55 words per minute with only 3 errors. If he continues at this rate for 5 minutes, how many words will he type? How many errors will he make?

4. Name each figure.



5. Write the sum in simplest form.

a) $\frac{1}{6} + \frac{3}{6}$ b) $\frac{4}{9} + \frac{1}{9}$ c) $\frac{2}{3} + \frac{1}{3}$

6.



What time will it be in 4 hr. 15 min.?

7. Paulina drove 330 miles at an average speed of 55 miles per hour. How long did the trip take her?

8. a) 1 cup = _____ fl. oz.

b) 5 cup = _____ fl. oz.

c) 12 cup = _____ fl. oz.

d) 16 cup = _____ fl. oz.

9. Find the LCM and GCF for each pair of numbers.

a) 3 and 7

b) 5 and 8

c) 2 and 15

d) 12 and 18

Numberworks 89

Score: _____

1. $a = 36, b = 9$

a) $a + b =$ _____ b) $a - b =$ _____

c) $a \times b =$ _____ d) $a \div b =$ _____

2. Write the answer in simplest form.

a) $3\frac{2}{6}$ b) 1 c) $2\frac{2}{6}$
 $- \frac{1}{6}$ $+ 3\frac{1}{6}$ $+ \frac{1}{6}$

3. a) $75 + 16 + 25 =$ _____

b) $25 \times 12 \times 2 \times 2 =$ _____

c) $15 + 190 + 2 + 10 =$ _____

d) $87 \times 2 \times 10 \times 5 =$ _____

4. Forty-eight children are playing ball. There are 6 players on each team. If the number of players on each team is cut in half, how many teams will they have?

5.



Add hands to show
1 hr. 2 min. before 8:22.

6. Karl weighs 8 kg more than Aldo. Sean weighs 76 kg. Sean weighs 5 kg less than Aldo. How much does Karl weigh?

7. Solve to the nearest tenth.

a) $40 \overline{) 2,814}$ b) $13 \overline{) 2,427}$

8. a) $3 \text{ hr. } 21 \text{ min.}$
 $+ 9 \text{ hr. } 53 \text{ min.}$

9. Give an example of each property.

a) commutative property, addition

b) commutative property, multiplication

c) associative property, addition

d) associative property, multiplication

Name: _____

Date: _____

Numberworks 90

Score: _____

1. Laura bought a shirt for \$15.98, a pair of jeans for \$24.98, and a scarf for \$8.95. What was the total of the items before tax is added?

2. Order from least to greatest.

7.93 7.39 7.41 71.2 7.12

3. Write each number in standard form.

a) One hundred fifty-six thousand, nineteen _____

b) Two hundred thousand, one hundred seven _____

4. Draw a diameter.



5. a)
$$\begin{array}{r} 92 \\ \times 43 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 34 \\ \times 28 \\ \hline \end{array}$$

6. Solve using mental math.

a) $2,400 \div 40 =$ _____

b) $4,500 \div 15 =$ _____

c) $7,200 \div 9 =$ _____

7. At the end-of-season soccer tournament, all teams play each other once. There are 8 teams. How many games are played in all?

8. Continue the pattern.

a) 146, 147, 149, 152, 156, _____

b) _____, 255, 251, 247, 243, _____

c) 118, 133, 148, 163, 178, _____

9. Is the fraction in simplest form? Write *yes* or *no*. If it is not, rewrite in simplest form.

a) $\frac{3}{10}$

b) $\frac{5}{15}$

c) $\frac{10}{12}$

d) $\frac{2}{7}$

e) $\frac{3}{24}$

Numberworks 91

Score: _____

1. a)
$$\begin{array}{r} 48.89 \\ + 73.462 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 174.593 \\ + 259.609 \\ \hline \end{array}$$

2. Write the remainder as a fraction.

a) $8 \overline{)890}$ b) $14 \overline{)329}$ c) $50 \overline{)375}$

3. a)
$$\begin{array}{r} 9,847.7 \\ - 3,216.82 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 6,864.14 \\ - 4,012.5 \\ \hline \end{array}$$

4. a) 210 seconds = _____ minutes

b) 270 minutes = _____ hours

c) 300 seconds = _____ minutes

5. a)
$$\begin{array}{r} 32.6 \\ \times 5 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 4.38 \\ \times 7 \\ \hline \end{array}$$

6. Ellen bought 3 rolls of film at \$4.54 per roll and 12 rolls at \$3.74 per roll. How much did she spend?

7. An elephant's heart beats 25 times per minute. How many times does it beat in 24 hours?

8. Write the sum in simplest form.

a)
$$\begin{array}{r} 4\frac{1}{5} \\ + 1\frac{2}{5} \\ \hline \end{array}$$

b)
$$\begin{array}{r} 2\frac{1}{2} \\ + 2\frac{1}{2} \\ \hline \end{array}$$

c)
$$\begin{array}{r} \frac{3}{8} \\ + \frac{3}{8} \\ \hline \end{array}$$

9. Give the value of the digit 5.

a) 4,563

b) 5,014

c) 1,250

d) 6,745

e) 63.57

f) 9.458

g) 0.825

Numberworks 92

Score: _____

1. a)
$$\begin{array}{r} 1.289 \\ + 43.56 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 69.4 \\ + 3.872 \\ \hline \end{array}$$

2. a)
$$\begin{array}{r} 5.038 \\ - 4.21 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 11.2 \\ - 9.67 \\ \hline \end{array}$$

3. a) $25 \times 19 \times 4 =$ _____

b) $2 \times 160 \times 5 =$ _____

c) $170 + 17 + 30 =$ _____

d) $5 \times 4 \times 3 \times 5 =$ _____

4. Write the remainder as a fraction.

a) $18 \overline{) 1,089}$

b) $70 \overline{) 2,740}$

5. One sheet of slide holders costs \$0.45. A package of 25 sheets costs \$10.50. If Erica buys 25 sheets, how much can she save by buying a package?

6. If you multiply the number of pages in Mike's book by 2, then subtract 20 from that answer, then divide by 3, you will get exactly 50. How many pages are in Mike's book?

7. Write the sum in simplest form.

a)
$$\begin{array}{r} 3\frac{1}{3} \\ + 2\frac{1}{3} \\ \hline \end{array}$$

b)
$$\begin{array}{r} \frac{5}{18} \\ + \frac{7}{18} \\ \hline \end{array}$$

c)
$$\begin{array}{r} 1\frac{5}{12} \\ + \frac{1}{12} \\ \hline \end{array}$$

8. a) 47 inches = _____ feet _____ inches
- b) 23 inches = _____ foot _____ inches
- c) 62 inches = _____ feet _____ inches
- d) 75 inches = _____ feet _____ inches

9. Complete with $>$, $<$, or $=$.

a) 8×2 $64 \div 4$

b) 6×7 4×8

c) 15×3 9×6

d) $160 \div 10$ 7×4

Numberworks 93

Score: _____

1. a) $\begin{array}{r} \$3.52 \\ 4.75 \\ + 6.63 \\ \hline \end{array}$

b) $\begin{array}{r} \$18.93 \\ - 2.57 \\ \hline \end{array}$

2. Find the LCM of

a) 6 and 9 _____

b) 5 and 10 _____

3. a) $\begin{array}{r} 3,761 \\ \times \quad 9 \\ \hline \end{array}$

b) $\begin{array}{r} 2,007 \\ \times \quad 30 \\ \hline \end{array}$

4. Write the sum in simplest form.

a) $\frac{3}{10} + \frac{1}{2} =$ _____

b) $\frac{4}{9} + \frac{2}{9} =$ _____

c) $\frac{3}{5} + \frac{1}{5} =$ _____

d) $\frac{5}{12} + \frac{1}{3} =$ _____

5. a) 8,000 lb. = _____ T

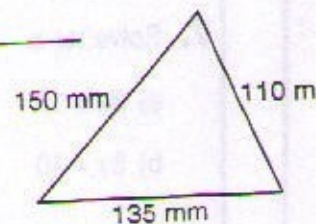
b) 11,000 lb. = _____ T

c) 13,000 lb. = _____ T

6. Two boards are cut into fifths. How many pieces will there be?

7. A photography show traveled 648 km from San Francisco to Los Angeles and then 5 times that distance from Los Angeles to Chicago. How far did the show travel?

8. Perimeter = _____



9. Insert parentheses to show which operation was done first.

a) $12 \times 5 \times 7 = 420$

b) $18 - 6 \times 2 = 6$

c) $40 + 15 \div 5 = 11$

d) $12 \times 5 + 7 = 67$

e) $18 - 6 \times 2 = 24$

f) $40 + 15 \div 5 = 43$

Numberworks 94

Score: _____

1. a)
$$\begin{array}{r} 37.492 \\ 586.48 \\ + 73.21 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 86.49 \\ - 15.5 \\ \hline \end{array}$$

2. a) 2 tons = _____ pounds

b) 6 meters = _____ centimeters

3. Write the remainder as a fraction in simplest form.

a) $16 \overline{)6,244}$

b) $80 \overline{)8,752}$

c) $94 \overline{)9,259}$

4. a)
$$\begin{array}{r} 3\frac{1}{2} \\ - 1\frac{1}{4} \\ \hline \end{array}$$

b)
$$\begin{array}{r} 16\frac{2}{3} \\ - 4\frac{1}{6} \\ \hline \end{array}$$

c)
$$\begin{array}{r} 9 \\ - 6\frac{1}{2} \\ \hline \end{array}$$

5. a)
$$\begin{array}{r} 2,946 \\ \times 19 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 8,112 \\ \times 47 \\ \hline \end{array}$$

6. A car goes 360 miles on 12 gallons of gasoline. How many miles could it go on $4\frac{1}{2}$ gallons of gasoline?

7. Solve for x.

a) $3x = 15$ _____

b) $5x = 40$ _____

8. Jake had 4 snakes. What was the average length of his snakes?

Snakes	Length (in.)
Boa Constrictor	73
Boa Constrictor	68
Rainbow Boa	37
Python	66

9. Are the perimeter and the area of a square always the same? Can they be the same? Give examples to support your reasoning.

Numberworks 95

Score: _____

1. a)
$$\begin{array}{r} 5.6 \\ \times 94 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 3.06 \\ \times 73 \\ \hline \end{array}$$

2. Write the answer in simplest form.

a) $3\frac{1}{9} + 4\frac{2}{9} =$ _____ b) $9\frac{2}{3} + 1\frac{1}{3} =$ _____

c) $7\frac{1}{6} + \frac{1}{2} =$ _____ d) $\frac{1}{2} + 12\frac{1}{4} =$ _____

3. a)
$$\begin{array}{r} 43.7 \\ - 2.22 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 6.294 \\ - 0.3937 \\ \hline \end{array}$$

4. a)
$$\begin{array}{r} 9\frac{5}{7} \\ - 2\frac{1}{7} \\ \hline \end{array}$$

b)
$$\begin{array}{r} 14\frac{3}{4} \\ - 6\frac{1}{2} \\ \hline \end{array}$$

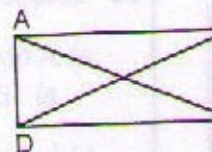
c)
$$\begin{array}{r} 39\frac{1}{3} \\ - 15 \\ \hline \end{array}$$

5. Every week Most Videos rents 9 classic videos for every 7 comedy videos they rent. If they rented 63 classic videos one week, how many comedy videos did they rent?

6. Folders are on sale 3 for \$1.80. How many folders can you purchase with a dollar bill? How much change would you receive?

7. a) 14,000 g = _____ kg
 b) 16,500 g = _____ kg
 c) 18,250 g = _____ kg

8. Identify 2 pairs of line segments that are parallel.



9. Write the number in standard form.

a) 2 tens, 5 ones, 37 thousandths _____

b) 8 tens, 2 ones, 45 hundredths _____

c) 1 hundred, 7 tens, 9 tenths _____

Numberworks 96

Score: _____

1. a)
$$\begin{array}{r} 52.297 \\ + 7.47 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 64.556 \\ - 34.14 \\ \hline \end{array}$$

2. a)
$$\begin{array}{r} 4,183 \\ \times 55 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 6,495 \\ \times 33 \\ \hline \end{array}$$

3. Write the answer in simplest form.

a)
$$\begin{array}{r} 19\frac{2}{3} \\ + 21\frac{1}{6} \\ \hline \end{array}$$

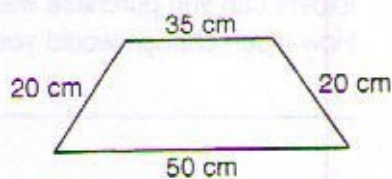
b)
$$\begin{array}{r} 44\frac{1}{2} \\ + 81\frac{1}{4} \\ \hline \end{array}$$

4. Write the remainder as a fraction.

a)
$$\begin{array}{r} 50 \\ - 18\frac{3}{4} \\ \hline \end{array}$$

b)
$$\begin{array}{r} 86\frac{1}{2} \\ - 15\frac{1}{10} \\ \hline \end{array}$$

5. Perimeter = _____



6. Write the remainder as a fraction.

a) $50 \overline{) 3,560}$

b) $71 \overline{) 5,680}$

7. Choose the best measurement for each.

- a) A new tube of toothpaste
 a) 16 mm b) 16 cm c) 16 m
- b) Length of a new pencil
 a) 18 mm b) 18 cm c) 18 m

8. a) 40 divided by 10 = _____

b) 400 divided by 10 = _____

c) 4,000 divided by 10 = _____

d) 40,000 divided by 10 = _____

9. Write in expanded form.

a) 275.561 _____

b) 3,407.8 _____

c) 8,015.03 _____

Numberworks 97

Score: _____

1. a)
$$\begin{array}{r} 0.28 \\ 46.9 \\ + 5.83 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 5.95 \\ 41.4 \\ + 0.107 \\ \hline \end{array}$$

2. a)
$$3 \overline{) 1.953}$$

b)
$$7 \overline{) 21.28}$$

3. a)
$$\begin{array}{r} 5.96 \\ \times 6 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 8.35 \\ \times 6 \\ \hline \end{array}$$

4. a)
$$\begin{array}{r} 2.32 \\ - 1.479 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 42.398 \\ - 36.51 \\ \hline \end{array}$$

5. Maria swam 347 meters a day for two weeks. How many meters did she swim?
- _____

6. Circle the best estimate.

- a) Height of a can of soda
a) 12 mm b) 12 cm c) 12 m
- b) Length of a wagon
a) 1 mm b) 1 cm c) 1 m

7. Write the answer in simplest form.

a)
$$\begin{array}{r} 15\frac{2}{3} \\ - 6\frac{1}{6} \\ \hline \end{array}$$

b)
$$\begin{array}{r} 37\frac{1}{4} \\ - 18\frac{1}{12} \\ \hline \end{array}$$

8. Write the answer in simplest form.

a)
$$\begin{array}{r} 75\frac{1}{3} \\ + 9\frac{3}{5} \\ \hline \end{array}$$

b)
$$\begin{array}{r} 48\frac{1}{2} \\ + 91\frac{2}{3} \\ \hline \end{array}$$

9. Round each number to the place of the underlined digit.

a) 285b) 987c) 1,118d) 20.07e) 32.067f) 4.850

Numberworks 98

Score: _____

1. a)
$$\begin{array}{r} 6,894 \\ + 8,796 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 9,678 \\ + 4,983 \\ \hline \end{array}$$

2. a)
$$4 \overline{) 358.4}$$

b)
$$6 \overline{) 423.6}$$

3. a)
$$\begin{array}{r} 60,000 \\ - 56,352 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 80,541 \\ - 28,493 \\ \hline \end{array}$$

4. Circle the best estimate.

a) Length of a football

a) 25 mm b) 25 cm c) 25 m

b) Distance around a baseball

a) 23 mm b) 23 cm c) 23 m

5. Jon bought a case of apple juice for \$9.79. If there are 24 cans in a case, about how much did he pay for each can of juice?

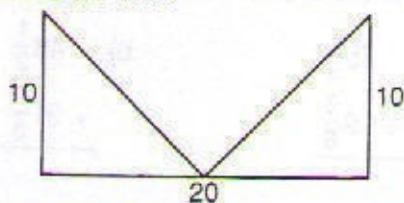
6. Write the fraction in words.

a) $7\frac{9}{10} =$ _____

b) $1\frac{5}{6} =$ _____

c) $12\frac{3}{4} =$ _____

7. Find the area.



8. a) $6 \times 600 =$ _____

b) $30 \times 500 =$ _____

c) $70 \times 200 =$ _____

d) $100 \times 132 =$ _____

9. Write the number in standard form.

a) 16 thousands, 4 hundreds, 2 ones, 7 tenths _____

b) 453 thousands, 1 hundred, 6 tens, 3 ones _____

c) 1 hundred five thousand, sixty-one thousandths _____

Score: _____

Numberworks 99

Score: _____

1. a)
$$\begin{array}{r} 98.43 \\ + 50.456 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 69.45 \\ - 68.8 \\ \hline \end{array}$$

2. Write the remainder as a fraction.

a) $8 \overline{)644}$

b) $9 \overline{)321}$

3. a)
$$\begin{array}{r} 79.65 \\ \times 0.3 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 6.38 \\ \times 0.9 \\ \hline \end{array}$$

4. Write *true* or *false*.

If the numerator of a fraction is 1, the fraction is in lowest terms.

5. Round to the nearest whole number.

a) 68.347 _____

b) 49.579 _____

6. One kilowatt-hour is equal to 860 food calories. How many food calories would it take to equal 2.5 kWh?

7. Use mental math to reduce each fraction.

a) $\frac{3}{9} =$ _____

b) $\frac{5}{10} =$ _____

c) $\frac{6}{60} =$ _____

d) $\frac{10}{35} =$ _____

e) $\frac{7}{21} =$ _____

8. Circle the best estimate.

a) Length of a swimming pool
a) 15 mm b) 15 cm c) 15 m

b) Length of a tennis racket
a) 60 mm b) 60 cm c) 60 m

9. Write in standard form.

a) $80,000 + 2,000 + 300 + 70 + 2$ _____

b) $50 + 0.09 + 0.004$ _____

c) $400,000 + 7,000 + 9$ _____

d) $10 + 0.006$ _____

e) $10,000 + 9,000 + 400 + 20$ _____

f) $4 + 0.9 + 0.07$ _____

Numberworks 100

Score: _____

1. a)
$$\begin{array}{r} 8,769.5 \\ - 6,548.16 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 7,695.28 \\ - 5,456.42 \\ \hline \end{array}$$

2. a)
$$\begin{array}{r} 7,648.5 \\ + 8,579.17 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 6,543.9 \\ + 7,432.73 \\ \hline \end{array}$$

3. a) $20 \times 5 =$ _____
 b) $200 \times 50 =$ _____
 c) $2,000 \times 50 =$ _____
 d) $20,000 \times 5 =$ _____

4. a)
$$\begin{array}{r} 0.73 \\ \times 42 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 0.37 \\ \times 68 \\ \hline \end{array}$$

5. Write the remainder as a fraction.

a) $3 \overline{)208}$

b) $5 \overline{)144}$

6. Circle the number between 27.045 and 30.047?

a) 27.04

b) 30.05

c) 27.1

d) 30.048

7. Find the area.

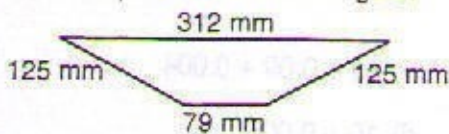
a) $l = 27 \text{ cm}, w = 13 \text{ cm}$ _____

b) $l = 95 \text{ cm}, w = 50 \text{ cm}$ _____

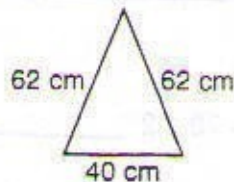
c) $l = 15 \text{ cm}, w = 9 \text{ cm}$ _____

8. It takes 5.04 kWh to make 6 paper cups. How many kWh does it take to make 1 paper cup?

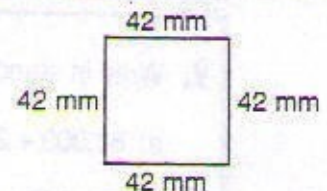
9. Find the perimeter of each figure.



a) _____



b) _____



c) _____

Page 53

- a) 41.7051; b) 282.40
- a) 3.278; b) 53.977
- a) \$107.16; b) \$304.50
- a) 154 r3; b) 32 r18
- a) 8; b) 13; c) 11
- \$280
- a) 8,480,000; b) 4,100; c) 506,000; d) 7,000
- a) <; b) >
- a) 6,257; b) 10,041; c) 43,009,806; d) 970.42

Page 54

- a) >; b) >; c) >
- a) 60.8032; b) 186.60
- a) 196.77; b) 47.61
- a) 253 r36; b) 117 r17
- a) \$340.45; b) \$6,409.40
- a) d; b) b
- 29
- 13
- a) 14 ft., 6 in.; b) $10\frac{1}{2}$; c) 9 ft., 5 in.; d) 386

Page 55

- a) 106.5; b) 47.4
- a) 0.058; b) 20.879
- a) 9; b) 6; c) 2
- 8
- a) 11, 13, 15; b) 45, 55, 65; c) 7, 7, 14
- \$5.72
- 35
- $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}$
- a) 90; b) 125; c) 100; d) 40

Page 56

- a) 15; b) 48; c) 32; d) 8
- a) 27 r1; b) 120 r31
- 195
- 594 ml
- a) 1.627; b) 516.11
- a) 9; b) 6
- a) 7.435; b) 55.55
- 162 inches
- 4; 12; 8

Page 57

- b
- a) 82.5; b) 175.047
- a) 2,700; b) 7,000; c) 3,000; d) 8,000
- a) 0.5784; b) 1.1734
- a) 14 r20; b) 53.r4
- d
- a) 8; b) 2
- 18° C
- a) 9; b) 15; c) 1

Page 58

- a) 10,005-7,382; b) 457 x 69
- a) 2 r1; b) 8 r3
- a) 9.15; b) 5.21
- a) 4,800; b) 360,000; c) 27,000; d) 4,500
- a) 1.0643; b) 21.75
- 9
- a) 12; b) 28; c) 30
- a) 66 in.; b) 36 in.; c) 29 in.; 68,904 cu. in.
- c; b; c

Page 59

- a) 1583.3; b) 65.934
- 12,120
- a) 9 r6; b) 80 r5
- a) 9; b) 20
- 21
- a) 1,800; b) 800
- a) 30; b) 96
- a) $\frac{1}{2}$; b) $1\frac{1}{2}$; c) $2\frac{1}{2}$; d) 3
- a) 6.34; b) 0.004; c) 7.1; d) 7000.039

Page 60

- a) 19,166; b) 9,633
- Both; $\frac{6}{16} = \frac{3}{8}$
- a) 213; b) 3,100; c) 236
- 58 yd.; 180 square yd.
- a) 61; b) $125\frac{4}{7}$
- a) 8; b) 9 r11
- a) 6; b) 12
- 30 min. 7 sec.
- a) no; b) yes; c) yes; accept logical reasoning

Page 61

- a) 91.993; b) 2,295.687
- a) 36; b) 12
- a) <; b) <; c) =; d) >
- a) 60; b) $82\frac{4}{5}$
- a) $2\frac{1}{2}$; b) $1\frac{3}{4}$
- a) 6; b) 15
- a) 24 r8; b) 242 r2
- \$56.86
- a) 3, 5, $7\frac{1}{2}$; b) 4, 4, 8

Page 62

- a) >; b) >
- a) 525; b) 54; c) 115; d) 239
- a) 8.8; b) 43.77
- a) 9.3; b) 14.234
- a) 14; b) 24
- 4,042
- $5\frac{3}{4}$ hours
- a) 18; b) 45; c) 90
- a) 57; b) 102; c) 115; d) 65

Page 63

- a) 100; b) 200; c) 900; d) 80; e) \$2; f) \$9
- a) 30,194; b) 29,750
- a) 8 hr. 37 min.; b) 4 hr. 55 min.
- a) 60.53; b) 21.83
- \$83.16
- 54
- 216 sq. ft.
- 9; 11; 13
- a) 1 and 6; b) 7 and 28; c) 2 and 60; d) 5 and 75

Page 64

- 7:25



- a) 454; b) 678; c) 493; d) 432
- 7:18



- a) 164 r12; b) 115 r34
- 12
- 13
- 48m²; 32m
- \$243.17
- a) yes; b) no; c) no; d) yes; e) no; f) yes; g) yes; h) no

Page 65

- a) =; b) <
- Sonya
- a) 95.994; b) 518.712
- a) 110; b) $83\frac{4}{5}$
- a) 192.775; b) 677.62
- 11; 14
- a) 11; b) 12; c) 6; d) 30
- $\frac{1}{2}$
- a) 90°; b) 45°; c) 60°; d) 15°

Page 66

- a) 4; b) 1
- a) 54 r20; b) 248 r16
- a) 129.503; b) 57.212
- a) 80; b) 40; c) 90; d) 40
- 6
- 2:12



- 346 mi.
- a) $\frac{8}{5}$; b) $\frac{16}{9}$; c) $\frac{11}{2}$
- a) 10,499 large; 9,500 small; b) 7.4 large; 6.5 small

Page 67

- a) 21,792; b) 23,115
- a) $1\frac{1}{8}$; b) $1\frac{4}{5}$
- a) \$449.51; b) \$346.87
- a) 288; b) 28,000
- $\frac{1}{2}$
- a) 187 r8; b) 58 r13
- 32.9; 32.19; 32.009
- Lauryn; Greg
- a) com.; b) assoc.; c) assoc.; d) assoc.; e) com.; f) assoc.; g) assoc.; h) assoc.

Page 68

- a) 8,721; b) 6,017
- a) 6,392; b) 7,403
- a) 35.5; b) 18.5
- 10
- \$5,168.40
- a) $122\frac{1}{2}$; b) $22\frac{2}{5}$
- a) acute angle; b) square; c) intersecting or perpendicular lines
- 45; 54
- a) $(3 \times 40) + (3 \times 5) = 55$
b) $(7 \times 50) + (7 \times 4) = 378$
c) $(7 \times 20) + (7 \times 4) = 168$
d) $(3 \times 40) + (3 \times 3) = 129$

Page 69

- 6 hr. 44 min.
- a) 28,656; b) 26,448
- a) 8.5; b) 7.5
- 488 miles
- a) 7.448; b) 0.505
- a) 5.75; b) 5.0
- a) 1,400; b) 100,000; c) 180,000; d) 360,000
- a) $13\frac{1}{2}$; b) $18\frac{1}{2}$
- a) parallelogram; b) rectangle; c) trapezoid; d) square; e) rhombus

Page 70

- 18
- a) $17\frac{4}{8}$; b) $43\frac{6}{7}$
- 23
- a) 32,000; b) 42,000; c) 30,000; d) 700
- a) 42.35; b) 1.24
- 102
- a) square; b) trapezoid; c) rhombus or parallelogram
- a) 6; b) 70
- a) four million, three hundred twenty-nine thousand;
b) seven billion, one hundred fifty-eight thousand;
c) three and five hundredths; d) twelve and seventy-one thousandths

Page 71

- 14
- a) >; b) <
- a) 30; b) 13; c) 13; d) 5
- \$13.75
- pictures may vary
- a) 16; b) $21\frac{8}{9}$
- a) 215,430; b) 5,992
- a) $13\frac{1}{2}$; b) 162
- a) fifty-six divided by eight, 7; b) thirty-six minus six, 30; c) nine times nine, 81

Page 72

- a) \$8.11; b) 13.675
- a) 245.5; b) 75.8
- a) 12,000; b) 4,200; c) 28,000; d) 120,000
- a) 2.65; b) 1.188
- a) 870; b) 1,160
- a) $22\frac{1}{2}$; b) $28\frac{2}{3}$
- a) 2 ft. 2 in.; b) 1 ft. 10 in.; c) 1 ft. 4 in.
- 7; 9
- a) yes, 80 m; b) yes, 420 m

Page 73

- a) 0.59; b) 85.03
- a) 39; b) 3,311; c) 72; d) 100
- a) 12,000; b) 100,000; c) 80,000; d) 240,000
- 17 males; 23 females
- a) 175.5; b) 500.8
- a) $124\frac{6}{7}$; b) 57
- 1,800
- 6:30
- a) $\frac{15}{3}$ or $15 \div 3$, 5; b) $\frac{1}{5} + \frac{1}{5}$, $\frac{2}{5}$; c) $72 - 9$, 63

Page 74

- a) 39.0; b) 32.3
- a) 30.344; b) \$1,357.03
- a) 25; b) 13; c) 45
- c
- a) 44; b) $61\frac{5}{6}$
- 18; 21; 24
- a) 64 m; b) 204 sq. m
- a) 1; b) 2.5; c) 5.5
- 18

Page 75

- a) 190; b) 3,700; c) 59; d) 110
- a) 3,496.67; b) 3,040.44
- $4\frac{1}{2}$
- a) $106\frac{1}{2}$; b) 101
- a) 8.4 m; b) 4.05 sq. m
- 61; 81; 101
- a) 405.5; b) 31
- a) $3\frac{1}{2}$; b) $2\frac{1}{2}$
- a) com., assoc; b) com., assoc.

Page 76

- a) 171.5; b) 53.7
- a) \$595.85; b) \$1,960.00
- a) 158.44; b) 3,836.37
- 62
- pictures may vary
- a) $\frac{6}{7}$; b) $\frac{6}{9}$
- 217 miles
- a) 1,751; b) 1,700
- a) 15; b) 4; c) 0; d) 0; e) 5; f) 4, 1 or 1, 4

Page 77

- a) 8.4; b) 16; c) 21.8; d) 1; e) 1.29; f) 7.1; g) 9; h) 40
- 325
- 0.5 m
- A = 96; P = 42
- 7
- \$25
- 2 hr. 34 min.
- a) 170; b) 1,470; c) 1,680
- a) 1, 18; b) 3, 12; c) 2, 42

Page 78

- a) 400,090; b) 103,350; c) 1,600
- a) 147; b) 150; c) 300; d) 1,100
- a) 4,575.45; b) 5,003.757
- a) 17,676; b) 81,630
- a) 12.2; b) 19.4
- a) 66.1; b) 1.4; c) 1; d) 21.38
- b
- 180
- a) $\frac{23}{3}$; b) $\frac{25}{2}$; c) $\frac{49}{5}$; d) $\frac{701}{7}$


Page 79

- a) 85; b) 557; c) 4,500; d) 1,600
- a) 14,140; b) 349,688
- a) 700.8; b) 700.8
- a) 5,376; b) 12,225
- 1,470
- a) 804; b) 1,001
- a) $82\frac{4}{5}$; b) $44\frac{3}{4}$
- a) 801; 1,801; b) 1,251
- a) 3.45; b) 0.573; c) 0.406

Page 80

- a) 2,229; b) 80.29; c) 9.72; d) 175
- a) 72,000; b) 36,000; c) 5,600; d) 3,200
- 2
- a) 8; b) 24
- 30
- a) 2.5; b) 0.7; c) 9.25
- a) 2; b) 4
- a) 12.2, 11; b) 10.500, 12.625
- a) 90°; b) 15°; c) 45°; d) 30°; e) 60°

Page 81

- a) <; b) =; c) <
- a) 683; b) 825; c) 898; d) 2,908
- a) \$1,424; b) 400; c) 4,390
- 84
- a) 16 hr.; b) 17 hr. 12 min.
- 
- varies but triangle should have at least two equal sides

- divisor, quotient, remainder
- a) 2.49; b) 0.424; c) 0.906

Page 82

- a) 1,016.491; b) 5,365.36
- a) 3,980; b) 3,171
- 4
- a) 10,944; b) 5,624
- a) 600; b) 2,000; c) 24,000; d) 1
- 87
- c
- a) equilateral; b) isosceles
- a) 20,499 large, 19,500 small;
b) 1,499 large, 500 small

Page 83

- a) 173.2; b) 169; c) 60.3
- a) 8; b) 19
- a) >; b) <; c) <
- 144
- a) 2,430; b) 14,560
- a) $106\frac{5}{7}$; b) $127\frac{2}{3}$
- 66
- 8:03



- a) com.; b) assoc.; c) zero add; d) com.

Page 84

- a) 301,800; b) 120,007; c) 14,000,014
- a) 7,500; b) 220; c) 1,600
- a) 12,010; b) 12,760
- \$0.12
- 8 m
- 8
- 738
- a) 325, 340; b) 144; c) 103
- a) degrees; b) oz.; c) mi.; d) yd.; e) cups; f) gal.

Page 85

- a) 2,400; b) 900; c) 230
- $\frac{1}{4}$

- a) 19.5; b) 41
- \$17.50
- a) 22, 26, 30; b) 36, 49, 64; c) 15, 8, 1;
d) 13, 21, 34
- a) 2,004; b) 3,200; c) 32,000
- a) 4:52 p.m.; b) 2:45 a.m.
- a) $\frac{8}{15}$; b) $3\frac{2}{5}$; c) $\frac{8}{8}$; d) $\frac{3}{3}$
- a) 0.344; b) 1.103; c) 0.039

Page 86

- a) 941.01; b) 5.646
- a) 40,000; b) 2,400; c) 54,000; d) 63,000
- a) 30; 1; b) 45, 3
- 22.2; 45.1
- 2 rows of marigolds
- b
- a) 3; b) 9; c) 54
- a) 1.2; b) 2,068; c) 500
- a) no; accept logical reasoning

Page 87

- varies
- c
- varies
- a) 200.8; b) 31.8
- 154
- 15 drinks, 5 snacks
- 3
- a) $\frac{2}{4}$, $\frac{3}{6}$, $\frac{4}{8}$; b) $\frac{2}{6}$, $\frac{3}{9}$, $\frac{4}{12}$
- a) 102,230; b) 499,011; c) 90,060

Page 88

- a) 52; b) 44; c) 192; d) 12
- a) 3; b) 5; c) 4
- lettuce, 900 oz.
- \$237.05
- a) 8; b) 50; c) 2; d) 9; e) 60; f) 8
- a) $5\overline{)16}$; b) $2\overline{)20}$
- a) $\frac{2}{8}$, $\frac{3}{12}$, $\frac{4}{16}$; b) $\frac{2}{10}$, $\frac{3}{15}$, $\frac{4}{20}$
- 522 sq. units
- a) 100.4; b) 102.6

Page 89

- a) 300,008; b) 104,307
- a) 3; b) 21; c) 153
- a) \$30.18; b) \$53.26
- 8 sheep, 16 rabbits, 24 chickens
- a) 16,762; b) 9,540
- d
- a) 72.5; b) 50.4
- a) $2\overline{)7}$; b) $5\overline{)9}$
- a) equilateral, isosceles; b) isosceles; c) scalene;
d) scalene

Page 90

1. a) 99.833; b) 3.521
2. a) c ; b) z
3. 35 miles
4. a) 42; b) 5; c) 17
5. a) $1\frac{7}{7}$; b) $6\frac{10}{10}$
6. 18
7. 425 sq. units
8. a) 3,500; b) 350; c) 35
9. a) 250,001; 250,002; 250,003;
b) 249,999; 249,998; 249,997

Page 91

1. a) 53,161; b) 79,660
2. a) 3; b) 6; c) 6
3. a) \$0.04; b) \$3.97
4. 3,960
5. 15
6. a) parallel; b) perpendicular; c) diagonals
7. a) 1.5; b) 3; c) 3.5; d) 4.5
8. 27
9. a) 1,200; b) 1,000; c) 25,200; d) 33,600; e) 44,100

Page 92

1. a) 77.689; b) 3.348
2. a) 7,900; b) 4,700; c) 195; d) 158
3. a) 7.1; b) 24.4
4. 2, yes
5. 995
6. a) 309; b) 179; c) 964
7. a) $\frac{1}{2}$; b) $\frac{4}{5}$; c) $\frac{3}{4}$
8. a) no; b) no; c) yes
9. a) 0; b) 4; c) 2

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1. c ; d; f
2. a) 4; b) 7
3. a) \$4.70; b) \$47.20
4. a) 152.9; b) 57
5. a) 12; b) 5; c) 21; d) 137
6. 90
7. 27
8. a) 2,940; b) 3,397
9. a) 28, 1; b) 56, 2; c) 120, 4; d) 45, 1

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1. a) yes; b) no
2. a) 1 million; b) 2 hundred thousands;
c) 5 thousands; d) 7 hundreds
3. a) 79,816; b) 3,504
4. a) 39.2; b) 41.62; c) 52.14
5. 27
6. a) $\frac{1}{8}$; b) $\frac{3}{5}$; c) $\frac{1}{4}$

7. a) 402; b) 60; c) 7,035

8. 1,536

9. a) B; b) A; c) B

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1. a) \$22.87; b) \$81.57
2. e (51, 63); f (87, 65); g (21, 17)
3. 275, 15
4. a) square; b) rhombus; c) trapezoid
5. a) $\frac{2}{3}$; b) $\frac{5}{9}$; c) 1
6. 10:57



7. 6 hr.
8. a) 8; b) 40; c) 96; d) 128
9. a) 21, 1; b) 40, 1; c) 30, 1; d) 36, 6

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1. a) 45; b) 27; c) 324; d) 4
2. a) $3\frac{1}{6}$; b) $4\frac{1}{6}$; c) $2\frac{1}{2}$
3. a) 116; b) 1,200; c) 217; d) 8,700
4. 16
5. 7:20



6. 89 kg
7. a) 70.4; b) 186.7
8. 13 hr. 14 min.
9. varies

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1. \$49.91
2. 7.12, 7.39, 7.41, 7.93, 71.2
3. a) 156,019; b) 200,107
4. check drawing
5. a) 3,956; b) 952
6. a) 60; b) 300; c) 800
7. 28
8. a) 161; b) 259, 239; c) 193
9. a) yes; b) no, $\frac{1}{3}$; c) no, $\frac{5}{6}$; d) yes; e) no, $\frac{1}{8}$

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1. a) 122.352; b) 434.202
2. a) $111\frac{1}{4}$; b) $23\frac{1}{2}$; c) $7\frac{1}{2}$
3. a) 6,630.88; b) 2,851.64
4. a) $3\frac{1}{2}$; b) $4\frac{1}{2}$; c) 5
5. a) 163.0; b) 30.66
6. \$58.50
7. 36,000
8. a) $5\frac{3}{5}$; b) 5; c) $\frac{3}{4}$
9. a) 500; b) 5,000; c) 50; d) 5; e) $\frac{5}{10}$; f) $\frac{5}{100}$; g) $\frac{5}{1,000}$

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- a) 44.849; b) 73.272
- a) 0.828; b) 1.53
- a) 1,900; b) 1,600; c) 217; d) 300
- a) $60\frac{1}{2}$; b) $39\frac{1}{7}$
- \$0.75
- 85
- a) $5\frac{2}{3}$; b) $\frac{2}{3}$; c) $1\frac{1}{2}$
- a) 3 ft. 11 in.; b) 1 ft. 11 in.; c) 5 ft. 2 in.; d) 6 ft. 3 in.
- a) =; b) >; c) <; d) <

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- a) \$14.90; b) \$16.36
- a) 18; b) 10
- a) 33,849; b) 60,210
- a) $\frac{4}{5}$; b) $\frac{2}{3}$; c) $\frac{4}{5}$; d) $\frac{3}{4}$
- a) 4; b) 5.5; c) 6.5
- 10
- 3,888 km
- 395 mm
- a) (12 x 5), 420; b) (18 - 6), 6; c) (40 + 15), 11; d) (12 x 5), 67; e) (18 - 6), 24; f) (15 ÷ 5), 43

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- a) 697.182; b) 70.99
- a) 4,000; b) 600
- a) $390\frac{1}{4}$; b) $109\frac{2}{5}$; c) $98\frac{1}{2}$
- a) $2\frac{1}{4}$; b) $12\frac{1}{2}$; c) $2\frac{1}{2}$
- a) 55,974; b) 381,264
- 135 miles
- a) 5; b) 8
- 61 inches
- no; yes; 4 x 4

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- a) 526.4; b) 223.38
- a) $7\frac{1}{3}$; b) 11; c) $7\frac{2}{3}$; d) $12\frac{3}{4}$
- a) 41.48; b) 5.9003
- a) $7\frac{4}{7}$; b) $8\frac{1}{4}$; c) $24\frac{1}{8}$
- 49
- 1; \$0.40
- a) 14; b) 16.5; c) 18.25
- \overline{AB} and \overline{DC} ; \overline{AD} and \overline{BC}
- a) 25.037; b) 82.45; c) 170.9

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- a) 59.767; b) 30.416
- a) 230,065; b) 214,335
- a) $40\frac{5}{6}$; b) $125\frac{3}{4}$
- a) $31\frac{1}{4}$; b) $71\frac{2}{5}$
- 125 cm

- a) $71\frac{1}{5}$; b) 80
- a) 16 cm; b) 18 cm
- a) 4; b) 40; c) 400; d) 4,000
- a) $200 + 70 + 5 + 0.5 + 0.06 + 0.001$;
b) $3,000 + 400 + 7 + 0.8$; c) $8,000 + 10 + 5 + 0.03$

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- a) 53.01; b) 47.457
- a) 0.651; b) 3.04
- a) 35.76; b) 50.10
- a) 0.841; b) 5.888
- 4,858 m
- a) 12 cm; b) 1 m
- a) $9\frac{1}{2}$; b) $19\frac{1}{6}$
- a) $84\frac{14}{15}$; b) $140\frac{1}{6}$
- a) 300; b) 990; c) 1,100; d) 20.1; e) 32.07; f) 5

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- a) 15,690; b) 14,661
- a) 89.6; b) 70.6
- a) 3,648; b) 52,048
- a) 25 cm; b) 23 cm
- \$0.41
- a) seven and nine-tenths; b) one and five-sixths;
c) twelve and three-fourths
- 100
- a) 3,600; b) 15,000; c) 14,000; d) 13,200
- a) 16,402.7; b) 453,163; c) 105,000.061

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- a) 148,886; b) 0.65
- a) $80\frac{1}{2}$; b) $35\frac{2}{3}$
- a) 23.895; b) 5.742
- true
- a) 68; b) 50
- 2,150
- a) $\frac{1}{3}$; b) $\frac{1}{2}$; c) $\frac{1}{10}$; d) $\frac{2}{7}$; e) $\frac{1}{3}$
- a) 15 m; b) 60 cm
- a) 82,372; b) 50.094; c) 407,009; d) 10.006;
e) 19,420; f) 4.97

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- a) 2,221.34; b) 2,238.86
- a) 16,227.67; b) 13,976.63
- a) 100; b) 10,000; c) 100,000; d) 100,000
- a) 30.66; b) 25.16
- a) $69\frac{1}{3}$; b) $28\frac{4}{5}$
- c
- a) 351 cm²; b) 4,750 cm²; c) 135 cm²
- 0.84 kWh
- a) 641 mm; b) 164 cm; c) 168 mm