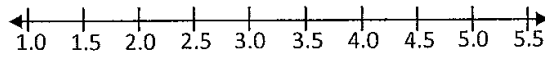
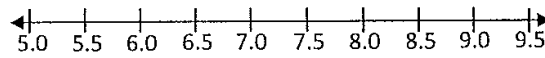


Place a point on the number line given for each of the following irrational numbers.

1. Point A:  $\sqrt{2}$       2. Point B:  $\sqrt{17}$       3. Point C:  $\sqrt{11}$       4. Point D:  $\sqrt{8}$       5. Point E:  $\sqrt{5}$

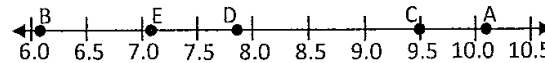


6. Point V:  $\sqrt{26}$       7. Point W:  $\sqrt{88}$       8. Point X:  $\sqrt{77}$       9. Point Y:  $\sqrt{37}$       10. Point Z:  $\sqrt{30}$

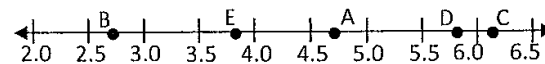


Name the point on the number line associated with each irrational number.

11.  $\sqrt{50}$       12.  $\sqrt{103}$       13.  $\sqrt{62}$       14.  $\sqrt{90}$       15.  $\sqrt{37}$



16.  $\sqrt{7}$       17.  $\sqrt{22}$       18.  $\sqrt{34}$       19.  $\sqrt{38}$       20.  $\sqrt{15}$



Compare the following numbers using  $<$  or  $>$ .

21.  $\sqrt{32}$   5.1

22.  $\sqrt{38}$    $\sqrt{42}$

23.  $\sqrt{17}$    $\frac{9}{2}$

24.  $\sqrt{49}$   7.1

25.  $\sqrt{99}$    $\frac{28}{3}$

26.  $\sqrt{17}$   4.5

27.  $\frac{43}{5}$    $\sqrt{65}$

28.  $\sqrt{12}$    $\sqrt{21}$

29.  $\sqrt{16}$   3.9

30.  $\sqrt{2}$    $\frac{7}{4}$

31.  $\sqrt{50}$    $\frac{15}{2}$

32.  $\sqrt{9}$   3.01

List the following numbers in order from least to greatest.

33.  $\sqrt{16}$ , 4.2,  $\frac{39}{8}$

34.  $\sqrt{24}$ ,  $\sqrt{33}$ , 5.1

35.  $\sqrt{100}$ ,  $\sqrt{110}$ ,  $\frac{32}{7}$

36. 9.4,  $\frac{19}{2}$ ,  $\sqrt{80}$

37.  $\sqrt{35}$ ,  $\sqrt{32}$ ,  $\sqrt{37}$ ,  $\frac{22}{3}$

38.  $\sqrt{10}$ , 3.5,  $\sqrt{15}$ ,  $\frac{13}{3}$

39.  $\sqrt{65}$ ,  $\sqrt{60}$ , 8.5,  $\frac{37}{4}$

40.  $\sqrt{39}$ ,  $\sqrt{25}$ , 5.3,  $\sqrt{26}$ ,  $\frac{23}{4}$

41.  $\sqrt{12}$ ,  $\sqrt{15}$ , 4.3,  $\sqrt{9}$ ,  $\frac{14}{5}$

42.  $\sqrt{49}$ ,  $\sqrt{63}$ , 7.3,  $\sqrt{38}$ ,  $\frac{15}{2}$