

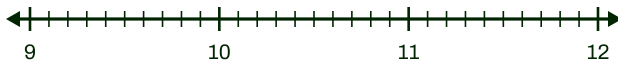
# Place an irrational number on a number line

|      |      |            |
|------|------|------------|
| NAME | DATE | SCORE / 10 |
|------|------|------------|

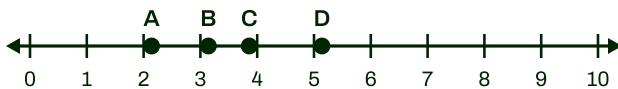
- 1** Four points are marked on the number line below. Which point is closest to  $\pi$ ? Circle it.



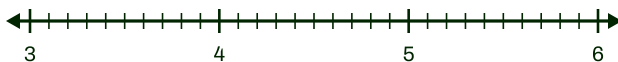
- 2** The small marks on the number line below are tenths. Mark  $\sqrt{90}$  on the number line.



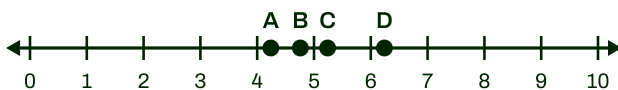
- 3** Four points are marked on the number line below. Which point is closest to  $\pi$ ? Circle it.



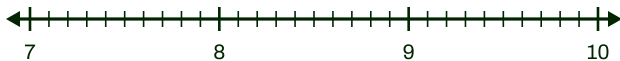
- 4** The small marks on the number line below are tenths. Mark  $\pi$  on the number line.



- 5** Four points are marked on the number line below. Which point is closest to  $\sqrt{18}$ ? Circle it.



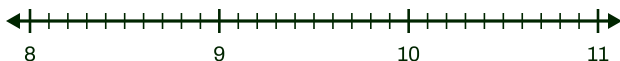
- 6** The small marks on the number line below are tenths. Mark  $\sqrt{63}$  on the number line.



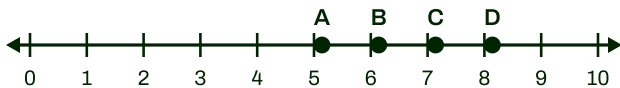
- 7** Four points are marked on the number line below. Which point is closest to  $\sqrt{19}$ ? Circle it.



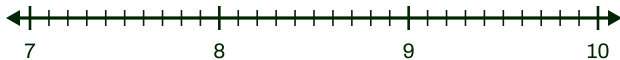
- 8** The small marks on the number line below are tenths. Mark  $\sqrt{76}$  on the number line.



- 9** Four points are marked on the number line below. Which point is closest to  $\sqrt{51}$ ? Circle it.



- 10** The small marks on the number line below are tenths. Mark  $\sqrt{77}$  on the number line.



# Place an irrational number on a number line

1 C

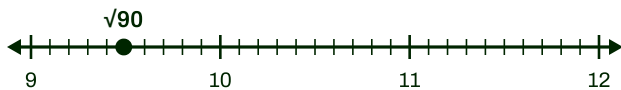
3 B

5 A

7 D

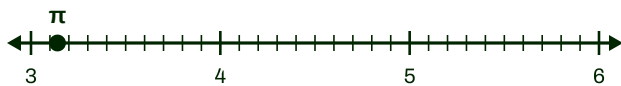
9 C

2 A drawing



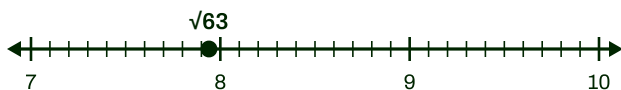
**What counts as right:** One mark between 9.4 and 9.5:  $\sqrt{90}$  is about 9.49. A mark within one tenth of it, from 9.39 to 9.59, counts; a mark further away, or between other whole numbers, does not.

4 A drawing



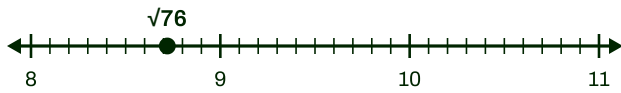
**What counts as right:** One mark between 3.1 and 3.2:  $\pi$  is about 3.14. A mark within one tenth of it, from 3.04 to 3.24, counts; a mark further away, or between other whole numbers, does not.

6 A drawing



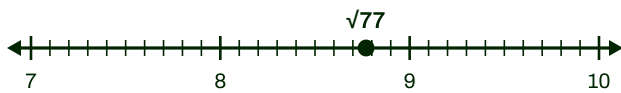
**What counts as right:** One mark between 7.9 and 8.0:  $\sqrt{63}$  is about 7.94. A mark within one tenth of it, from 7.84 to 8.04, counts; a mark further away, or between other whole numbers, does not.

**8** A drawing



**What counts as right:** One mark between 8.7 and 8.8:  $\sqrt{76}$  is about 8.72. A mark within one tenth of it, from 8.62 to 8.82, counts; a mark further away, or between other whole numbers, does not.

**10** A drawing



**What counts as right:** One mark between 8.7 and 8.8:  $\sqrt{77}$  is about 8.77. A mark within one tenth of it, from 8.67 to 8.87, counts; a mark further away, or between other whole numbers, does not.