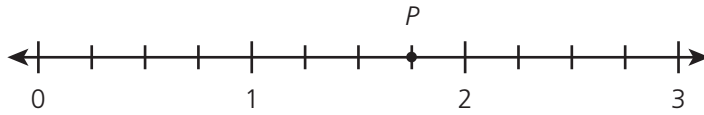


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LESSON 12 Number Lines

A number can be located on a **number line**.



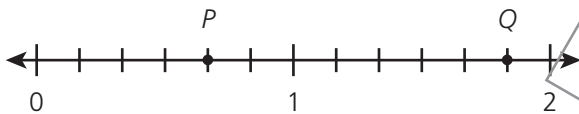
What number is marked *P* on this number line?

There are 4 equal spaces between 1 and 2 on the number line, so each tick mark stands for $\frac{1}{4}$. Since point *P* is on the third tick mark after 1, *P* marks the number $1\frac{3}{4}$.

The tick marks on a number line can stand for whole numbers, fractions, or decimals.

Read each problem. Circle the letter of the best answer.

Use this number line to answer questions 1 and 2.



1 In lowest terms, what is the fraction marked *P* on the number line?

A $\frac{1}{6}$

C $\frac{2}{3}$

B $\frac{1}{4}$

D $\frac{4}{7}$

There are 6 equal spaces between 0 and 1, so each tick mark stands for $\frac{1}{6}$. Point *P* is on the fourth tick mark after 0, so it stands for $\frac{4}{6}$. The fraction $\frac{4}{6}$ reduces to $\frac{2}{3}$. The correct answer is C.

2 What number is marked *Q* on the number line?

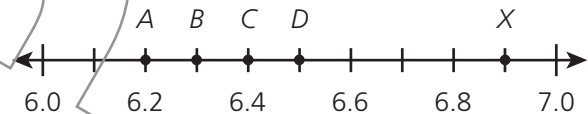
A $1\frac{1}{6}$

C $1\frac{2}{3}$

B $1\frac{1}{5}$

D $1\frac{5}{6}$

Use the number line below to answer questions 3 and 4.



3 Which point marks 6.3 on the number line?

A point A

B point B

C point C

D point D

4 What number is marked *X* on the number line?

A 6.7

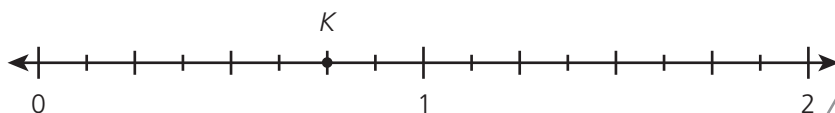
B 6.8

C 6.9

D 7.1

Read each problem. Write your answers.

5 Look at this number line.

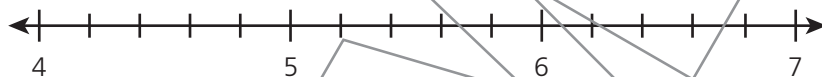


A What fraction is marked K on the number line? Write the fraction in lowest terms.

Answer: _____

B Explain how you found your answer.

6 Look at the number line below.



A On the number line above, mark the number $4\frac{3}{5}$ with a dot and label it A .

B On the number line above, mark the number 6.4 with a dot and label it B .

C Explain how you found where to locate points A and B on the number line.
