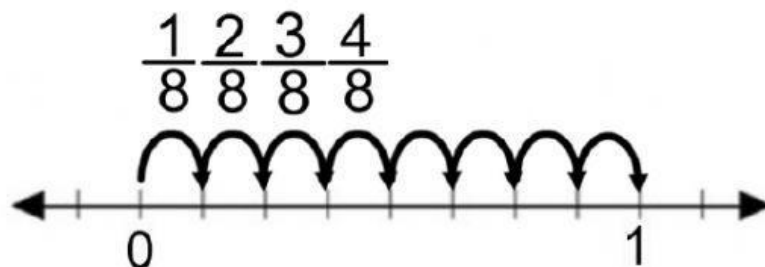


A fraction is an equal part of a whole.

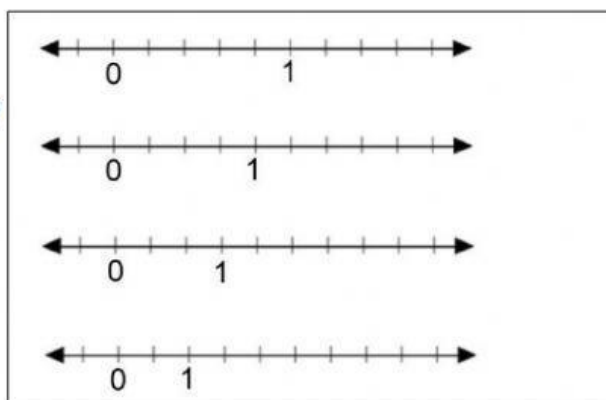
$\frac{1}{8}$ means 1 out 8 equal parts.

This means a shape, line or an object has to be broken into 8 equal parts

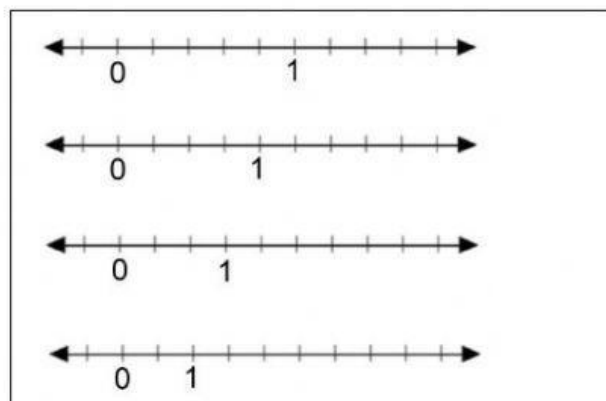


Which number-line is broken into quarters?

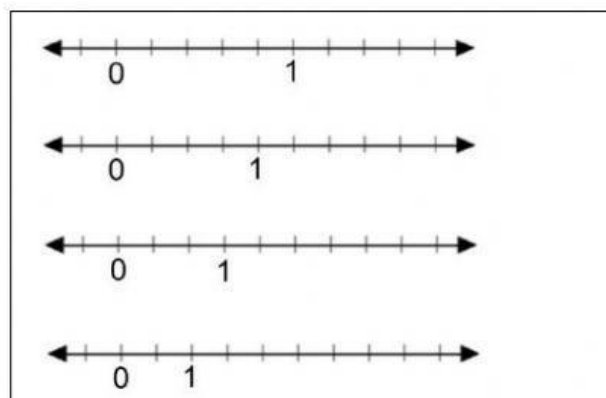
Quarters and fourths are the same.



Which number-line is broken in thirds?

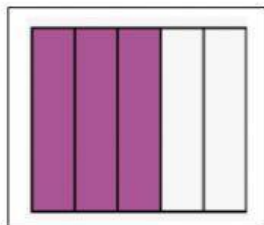


Which number-line is broken into fifths?

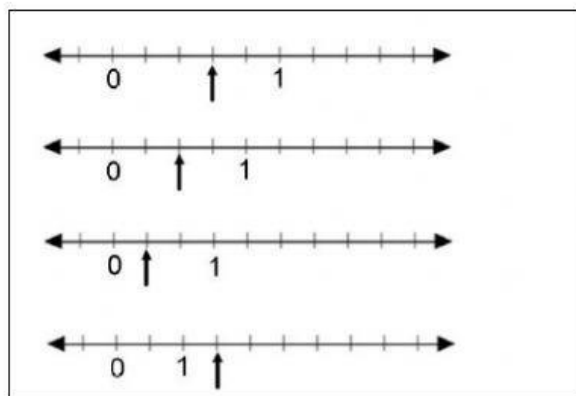


Match the **pictorial representation** of the fraction to the **number-line** that shows the same fraction.

Write the fraction? Which arrow is pointing to the same fraction?

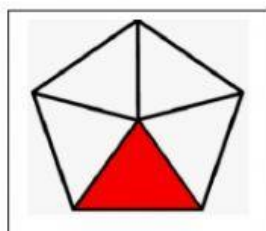


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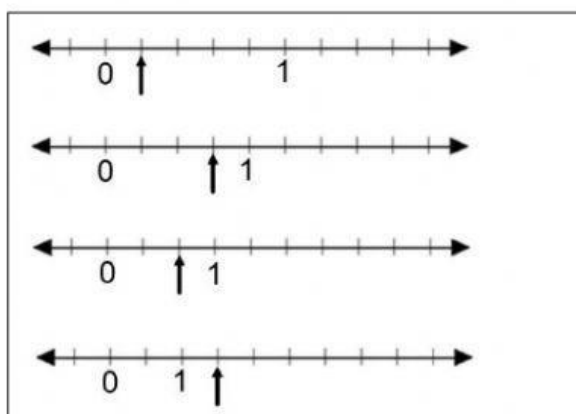


$$\frac{2}{5} + \frac{2}{5} = \text{—}$$

Write the fraction? Which arrow is pointing to the same fraction?

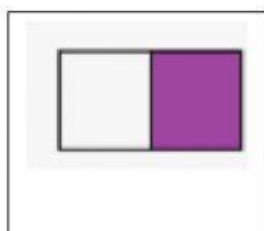


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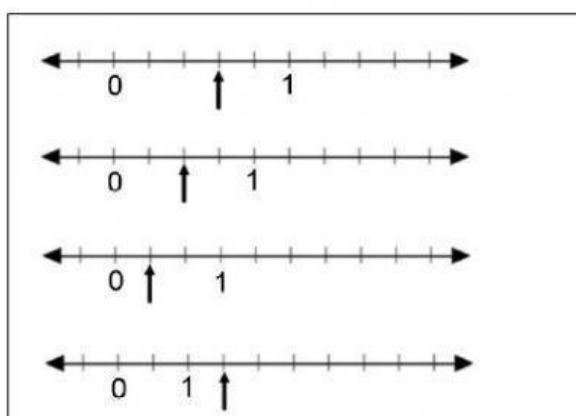


$$\frac{1}{5} + \frac{2}{5} = \text{—}$$

Write the fraction? Which arrow is pointing to the same fraction?

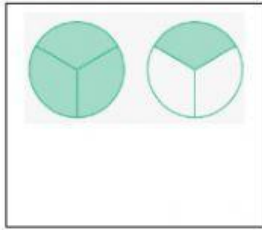


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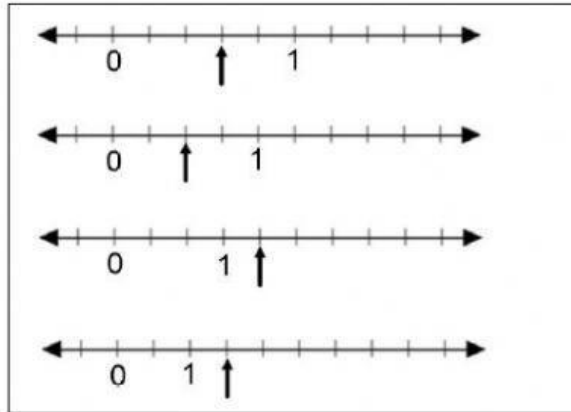


$$\frac{2}{4} - \frac{1}{4} = \text{—}$$

$$\frac{2}{4} = \frac{\text{—}}{2}$$



—



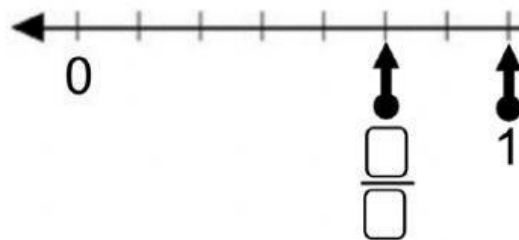
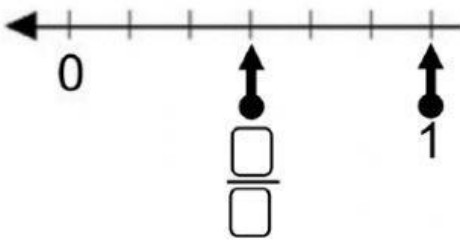
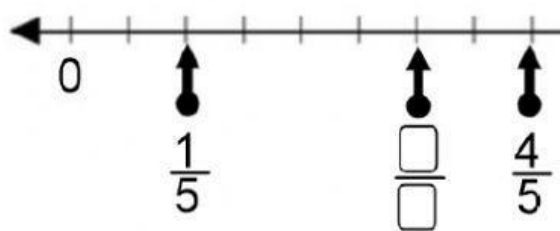
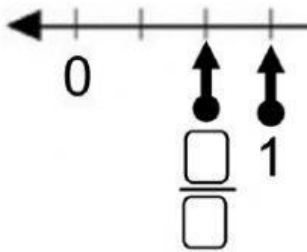
$$1\frac{1}{3} - \frac{2}{3} = \text{—}$$

$$1\frac{1}{3} - \frac{1}{3} = \frac{\text{—}}{\text{—}}$$

$$1\frac{1}{3} + 1 = \text{—}$$

$$1\frac{1}{3} - 1 = \text{—}$$

What fraction is the arrow pointing to?



Put these fractions onto the number-line:

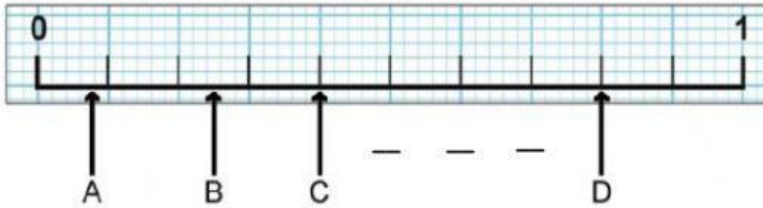
Only fill in the boxes that show the fractions below.

$\frac{1}{2}$ $\frac{3}{10}$ $\frac{2}{5}$ $\frac{4}{5}$ $\frac{1}{10}$



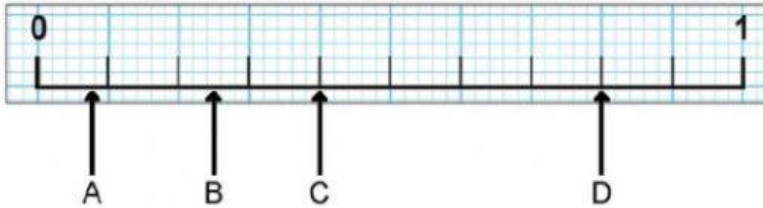
— — — — — — — — — —

Mark where $\frac{1}{2}$ is on the number-line. Which letter is closest to $\frac{1}{4}$



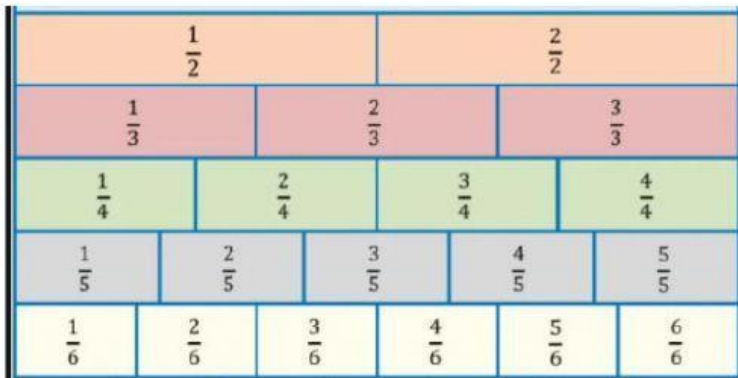
Hint $\frac{1}{4}$ is half of $\frac{1}{2}$

Put a X where $\frac{1}{2}$ is located. Which letter is closest to $\frac{1}{12}$



Hint

Is $\frac{1}{12}$ bigger or smaller than $\frac{1}{10}$



$\frac{1}{2}$ numerator
denominator

Which fraction is the largest

$\frac{1}{7}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{3}$ $\frac{1}{2}$

The larger/smaller the denominator, the larger the fraction.

The larger/smaller the denominator, the smaller the fraction.

Problem

Use the chart above to solve this problem.

James uses $\frac{1}{3}$ of a cup of sugar to make a cake. He then uses $\frac{1}{4}$ of a cup of sugar to make another cake.

Which statement is true?

a/ He uses more than $\frac{1}{2}$ cup of sugar.

b/ He uses $\frac{1}{2}$ cup of sugar.

c/ He uses less than $\frac{1}{2}$ cup of sugar.

Reasoning

$\frac{1}{4} + \frac{1}{4} = \text{ — } \quad \frac{1}{3}$ is $\quad$ than $\frac{1}{4}$

so $\frac{1}{4} + \frac{1}{3}$ must be $\quad$ than $\frac{1}{2}$