

# Fractions on a Number Line - Practice Worksheet

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Instructions:** Plot or identify each fraction on the number line described. Show your work where asked. Problems increase in difficulty.

1. A number line goes from 0 to 1 and is divided into 2 equal parts. What fraction does the middle point represent?

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2. A number line goes from 0 to 1 and is divided into 4 equal parts. What fraction is at the 3rd tick mark?

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3. Plot  $\frac{2}{3}$  on a number line from 0 to 1. How many equal parts do you divide the line into, and which tick mark do you label?

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4. A number line from 0 to 1 is divided into 8 equal parts. Which tick mark represents  $\frac{5}{8}$ ?

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5. What fraction is exactly halfway between 0 and  $\frac{1}{4}$  on a number line divided into eighths?

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6. A number line goes from 0 to 2 and is divided into 6 equal parts. What fraction (in simplest form) does the 3rd tick mark represent?

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7. On a number line from 0 to 1 divided into 6 equal parts, which two tick marks are equivalent to  $\frac{1}{3}$  and  $\frac{2}{3}$ ?

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8. A number line from 0 to 1 is divided into 10 equal parts. Plot 0.7 as a fraction. What fraction does it equal?

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9. Two number lines both go from 0 to 1. The first is divided into 4 parts; the second into 8 parts. Which tick marks on each line represent the same point as  $\frac{1}{2}$ ?

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10. A number line from 0 to 3 is divided into 12 equal parts. What fraction (in simplest form) does the 9th tick mark represent?

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## Answer Key

1.  $\frac{1}{2}$

2.  $\frac{3}{4}$

3. Divide into 3 equal parts; label the 2nd tick mark as  $\frac{2}{3}$

4. The 5th tick mark

5.  $\frac{1}{8}$

6.  $\frac{1}{2}$  ( $\frac{3}{6}$  simplified)

**7.**  $\frac{1}{3}$  is at the 2nd tick mark ( $\frac{2}{6}$ );  $\frac{2}{3}$  is at the 4th tick mark ( $\frac{4}{6}$ )

**8.**  $\frac{7}{10}$

**9.** 2nd tick on the 4-part line ( $\frac{2}{4}$ ); 4th tick on the 8-part line ( $\frac{4}{8}$ )

**10.**  $\frac{3}{4}$  ( $\frac{9}{12}$  simplified)