

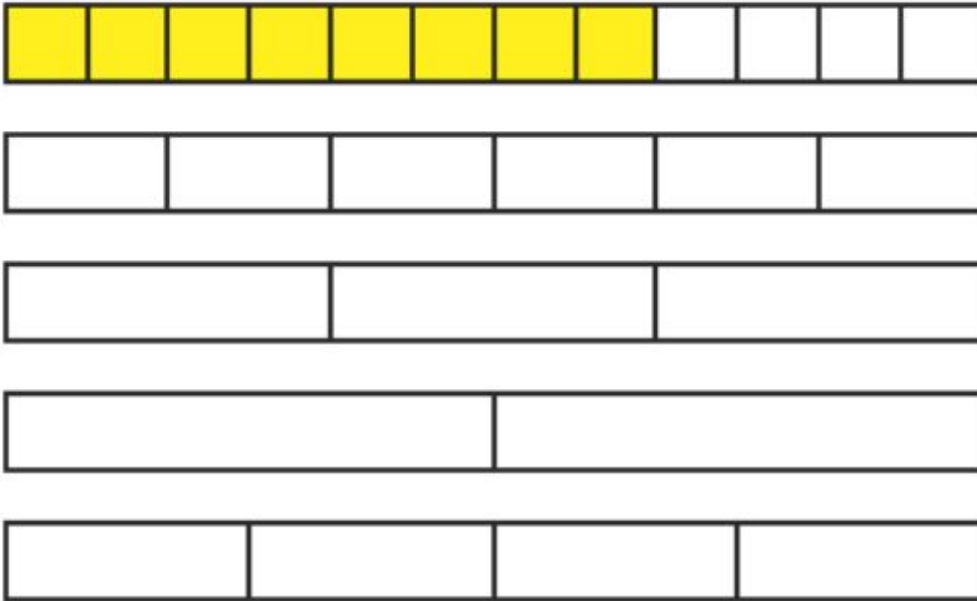
Arithmetic

Before you begin, practise your times tables on Time Tables Rockstars for 20 minutes.

Finding the Simplest Fraction

Lesson
13

In Focus



$$\frac{8}{12}$$



What are some fractions equal to $\frac{8}{12}$?

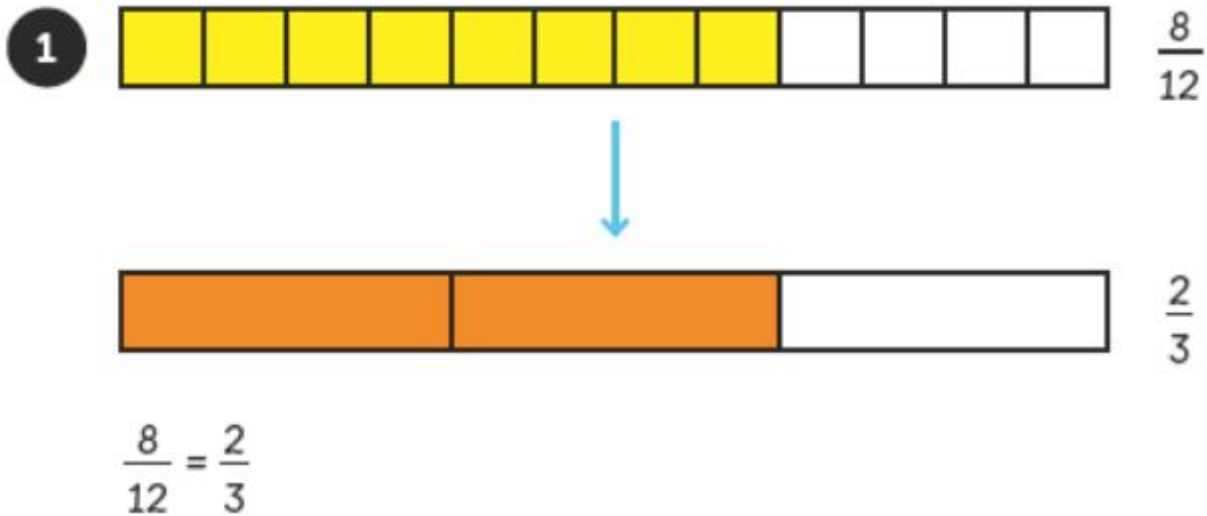
How will you know which fractions are equivalent to $\frac{8}{12}$?

There are 2 equivalent fractions. Write down what they are.

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Let's Learn



Do you notice anything special between $\frac{8}{12}$ and $\frac{2}{3}$?

Use your knowledge of multiplication and division to show the special relationship.

What do you notice?

$\frac{8}{12} = \frac{2}{3}$

$8 \div 4 = 2$
 $12 \div 4 = 3$

$\frac{2}{3} = \frac{8}{12}$

$2 \times 4 = 8$
 $3 \times 4 = 12$

Do you notice anything between $\frac{4}{6}$ and $\frac{8}{12}$?

2



$$\frac{8}{12} = \frac{4}{6} = \frac{2}{3}$$

We say $\frac{2}{3}$ is the simplest form of $\frac{8}{12}$.

What do you notice?



$8/12 = 4/6 = 2/3.$

So $2/3$ is the simplest form of $8/12$.

Guided Practice

- 1 Give three fractions that are equal to $\frac{6}{12}$.



$$\frac{3}{6}, \frac{2}{4}, \frac{1}{2}$$

- 2 Write each fraction in its simplest form.

(a) $\frac{3}{12} = \frac{1}{4}$

(b) $\frac{9}{12} = \frac{3}{4}$

(c) $\frac{8}{12} = \frac{2}{3}$

Worksheet 13

Finding the Simplest Fraction

Write each fraction in its simplest form.



$$\frac{4}{10} = \frac{?}{5}$$



$$\frac{6}{12} = \frac{?}{6} = \frac{?}{2}$$

c) $\frac{4}{8} = \frac{?}{2}$

d) $\frac{6}{9} = \frac{?}{?}$

e) $\frac{4}{12} = \frac{?}{6} = \frac{?}{3}$

f) $\frac{3}{6} = \frac{?}{?}$