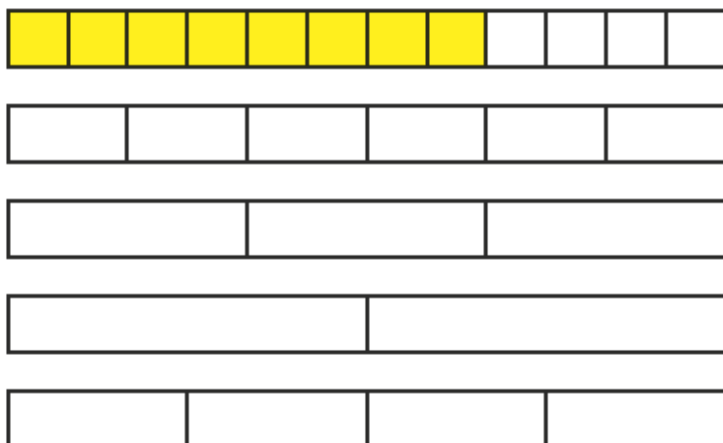


Finding the Simplest Fraction

Lesson 13

In Focus



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



How will you know which fractions are equivalent to $\frac{8}{12}$? Shade the bars to find out.

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

Let's Learn

1



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



$$\frac{2}{3}$$

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

Using multiplication and division can you show a relationship between these two fractions?

What do you divide 8 by to get 2?

What do you divide 12 by to get 3?

What do you notice?

What do you notice?

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



$$8 \div \square = 2$$

$$12 \div \square = 3$$

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



$$2 \times \square = 8$$

$$3 \times \square = 12$$

2



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

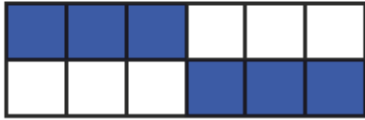
We say $\frac{2}{3}$ is the simplest form of $\frac{8}{12}$.

What do you notice?




Guided Practice


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




How many columns are there? How many rows are there?

- 2 Write each fraction in its simplest form.

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

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

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

You can draw a picture to help you.

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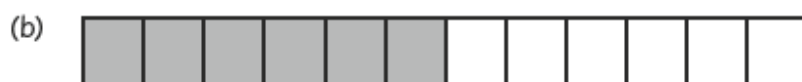
Worksheet 13

Finding the Simplest Fraction

Write each fraction in its simplest form.



$$\frac{4}{10} = \boxed{\frac{\quad}{\quad}}$$



$$\frac{6}{12} = \boxed{\frac{\quad}{\quad}} = \boxed{\frac{\quad}{\quad}}$$

(c) $\frac{4}{8} = \boxed{\frac{\quad}{\quad}}$

(d) $\frac{6}{9} = \boxed{\frac{\quad}{\quad}}$

(e) $\frac{4}{12} = \boxed{\frac{\quad}{\quad}} = \boxed{\frac{\quad}{\quad}}$

(f) $\frac{3}{6} = \boxed{\frac{\quad}{\quad}}$

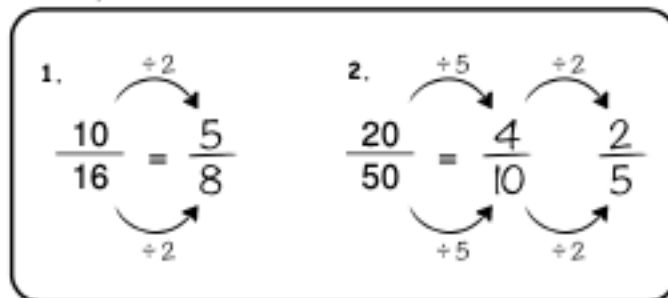
Can we put
them into
groups of 2?



More practice

Simplifying Fractions

Examples:



Simplify the following fractions in your book using the method shown above.:

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

2. $\frac{35}{40}$

3. $\frac{3}{6}$

4. $\frac{18}{20}$

5. $\frac{4}{36}$

6. $\frac{5}{35}$

7. $\frac{3}{30}$

8. $\frac{44}{48}$

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

10. $\frac{10}{45}$

11. $\frac{6}{14}$

12. $\frac{4}{28}$

13. $\frac{5}{15}$

14. $\frac{4}{32}$

15. $\frac{25}{60}$

ANSWERS – SEE BELOW



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

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Worksheet 13

Finding the Simplest Fraction

Write each fraction in its simplest form.



$$\frac{4}{10} = \frac{2}{5}$$



$$\frac{6}{12} = \frac{3}{6} = \frac{1}{2}$$

(c) $\frac{4}{8} = \frac{1}{2}$

(d) $\frac{6}{9} = \frac{2}{3}$

(e) $\frac{4}{12} = \frac{2}{6} = \frac{1}{3}$

(f) $\frac{3}{6} = \frac{1}{2}$

Can we put
them into
groups of 2?

