

Subtracting Fractions

Lesson
20

In Focus

What fraction of the pizza was left?

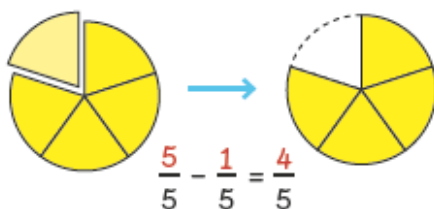


Let's Learn

- 1 The pizza was cut into 5 equal slices.

Sam ate $\frac{1}{5}$ of the pizza.

Subtract $\frac{1}{5}$ from $\frac{5}{5}$.



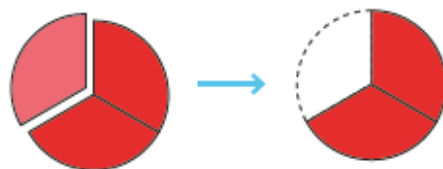
$\frac{4}{5}$ of the pizza was left.

$$1 = \frac{5}{5}$$

$$5 \text{ fifths} - 1 \text{ fifth} = 4 \text{ fifths}$$



- 2 Subtract $\frac{1}{3}$ from 1.



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

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

$$3 \text{ thirds} - 1 \text{ third} = 2 \text{ thirds}$$



3 $1 - \frac{1}{4} =$



$$1 - \frac{1}{4} = \frac{4}{4} - \frac{1}{4}$$

$$= \frac{\text{ }}{4}$$

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

1 = 4 quarters

4 quarters - 1 quarter
= quarters



Activity Time

Work in groups of 4.

- ① Use fractions to make an addition story and a subtraction story.
- ② Write the stories on the .
Write the correct addition and subtraction equations.

What you need:



Example

Sam eats $\frac{1}{5}$ of a cake.

Lulu eats $\frac{2}{5}$ of a cake.

$$\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$$

They eat $\frac{3}{5}$ of a cake together.



1 fifth + 2 fifths
= 3 fifths

- ③ Show your group's stories to the class.
Use to show how you add or subtract.

THE ACTIVITY TIME IS OPTIONAL.

Guided Practice

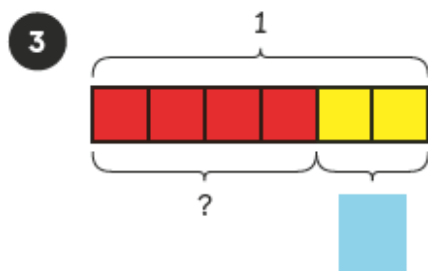
Subtract.

1 $1 - \frac{1}{5} =$

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2 $1 - \frac{4}{7} =$

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$$1 - \frac{2}{6} = \text{} - \frac{2}{6}$$

$$= \text{}$$

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

(b) $1 - \frac{3}{5} =$

Which is greater,
 $\frac{1}{4}$ or $\frac{2}{5}$?



Name: _____ Class: _____ Date: _____

Worksheet 20

Subtracting Fractions

1 Subtract and fill in the blanks.

$$(a) \quad 1 - \frac{1}{3} = \boxed{} - \boxed{}$$

$$= \boxed{}$$

$$(b) \quad 1 - \frac{5}{9} = \boxed{} - \boxed{}$$

$$= \boxed{}$$

2 Subtract and write each fraction in its simplest form.

$$(a) \quad 1 - \frac{1}{5} = \boxed{}$$

$$(b) \quad 1 - \frac{5}{12} = \boxed{}$$

$$(c) \quad 1 - \frac{2}{9} = \boxed{}$$

$$(d) \quad 1 - \frac{2}{11} = \boxed{}$$

$$(e) \quad 1 - \frac{6}{7} = \boxed{}$$

$$(f) \quad 1 - \frac{3}{10} = \boxed{}$$



Which number sentence does the bar model represent?



$$\frac{6}{7} - \frac{3}{7} = \frac{3}{7}$$

$$\frac{6}{7} - \frac{2}{7} = \frac{4}{7}$$

$$\frac{6}{7} - \frac{4}{7} = \frac{2}{7}$$

ANSWERS



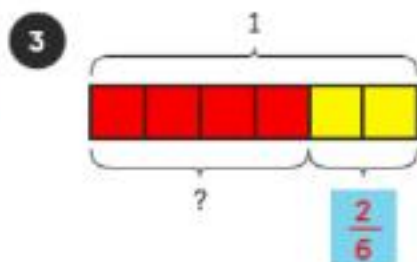
Guided Practice

Subtract.

1 $1 - \frac{1}{5} = \frac{4}{5}$



2 $1 - \frac{4}{7} = \frac{3}{7}$



$$1 - \frac{2}{6} = \frac{6}{6} - \frac{2}{6} = \frac{4}{6}$$

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

(b) $1 - \frac{3}{5} = \frac{2}{5}$

Which is greater,

$\frac{1}{4}$ or $\frac{2}{5}$?





Name: _____ Class: _____ Date: _____

Worksheet 20

Subtracting Fractions

1 Subtract and fill in the blanks.

$$(a) \quad 1 - \frac{1}{3} = \boxed{\frac{3}{3}} - \boxed{\frac{1}{3}}$$

$$= \boxed{\frac{2}{3}}$$

$$(b) \quad 1 - \frac{5}{9} = \boxed{\frac{9}{9}} - \boxed{\frac{5}{9}}$$

$$= \boxed{\frac{4}{9}}$$

2 Subtract and write each fraction in its simplest form.

$$(a) \quad 1 - \frac{1}{5} = \boxed{\frac{4}{5}}$$

$$(b) \quad 1 - \frac{5}{12} = \boxed{\frac{7}{12}}$$

$$(c) \quad 1 - \frac{2}{9} = \boxed{\frac{7}{9}}$$

$$(d) \quad 1 - \frac{2}{11} = \boxed{\frac{9}{11}}$$

$$(e) \quad 1 - \frac{6}{7} = \boxed{\frac{1}{7}}$$

$$(f) \quad 1 - \frac{3}{10} = \boxed{\frac{7}{10}}$$



Which number sentence does the bar model represent?



$$\frac{6}{7} - \frac{3}{7} = \frac{3}{7}$$

$$\frac{6}{7} - \frac{2}{7} = \frac{4}{7}$$

$$\frac{6}{7} - \frac{4}{7} = \frac{2}{7}$$