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Activities Favourites **Tasks**

Dividing to Make Fractions

Lesson 1

In Focus



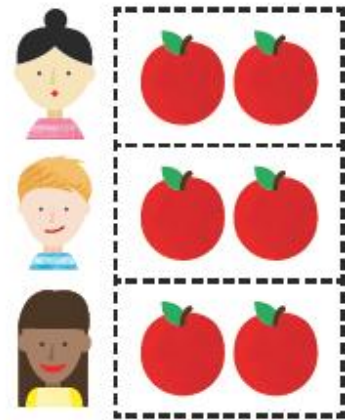
share apples.

Each of them gets the same amount.



Let's Learn

- 1 What if there are 6 apples?



6 apples shared equally among 3 friends.

$$6 \div 3 = \frac{6}{3} = 2$$

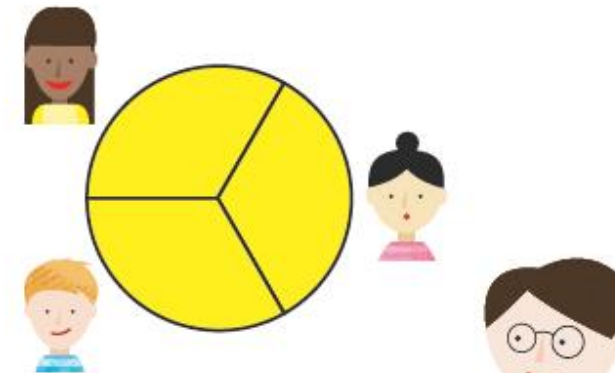
Each friend gets
2 apples.



- 2 What if there is only 1 apple?

1 apple shared equally among 3 friends.

$$1 \div 3 = \frac{1}{3}$$



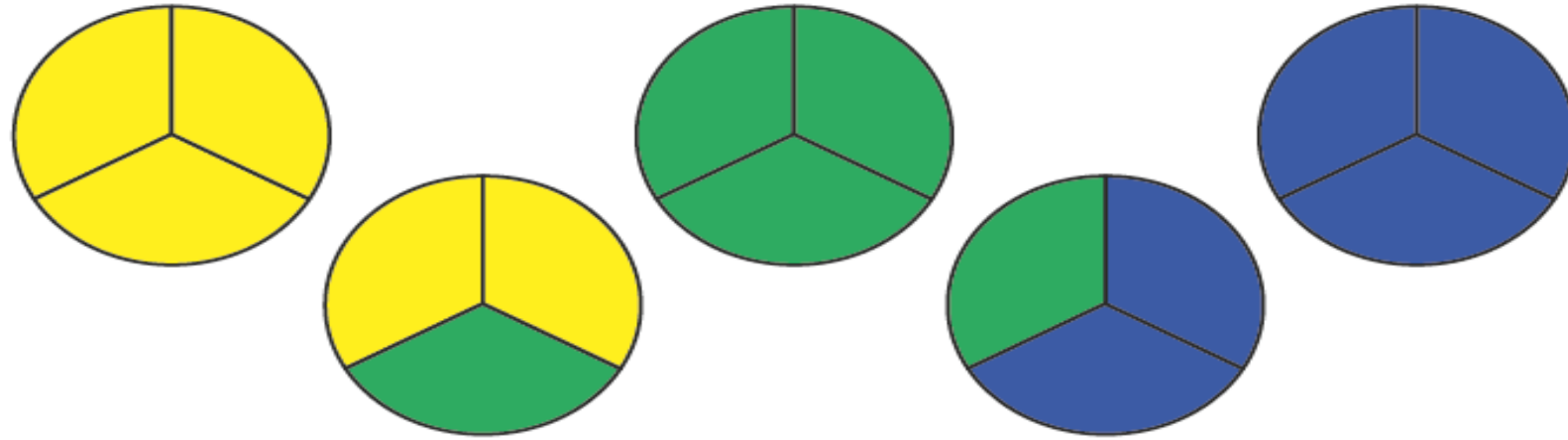
Each friend gets
 $\frac{1}{3}$ of an apple.



3

What if there are 5 apples?

Method 1



5 apples shared equally among 3 friends.

$$5 \div 3 = \frac{5}{3}$$

$\frac{5}{3}$ is an improper fraction.

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

$1\frac{2}{3}$ is a mixed number.



Each friend gets $\frac{5}{3}$ of an apple which is an apple and $\frac{2}{3}$ of an apple.

Method 2



3 apples shared equally among 3 friends.

$$3 \div 3 = 1$$

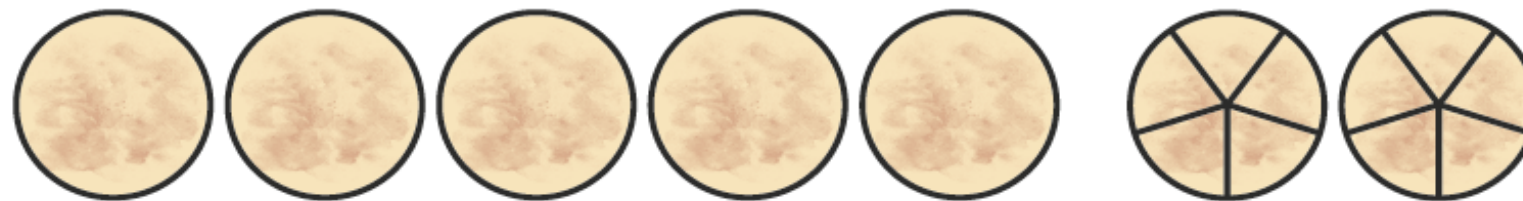
The remaining 2 apples are shared equally among 3 friends.

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

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

Guided Practice

- 1 7 pancakes are shared equally among 5 people.
What fraction of a pancake does each person get?

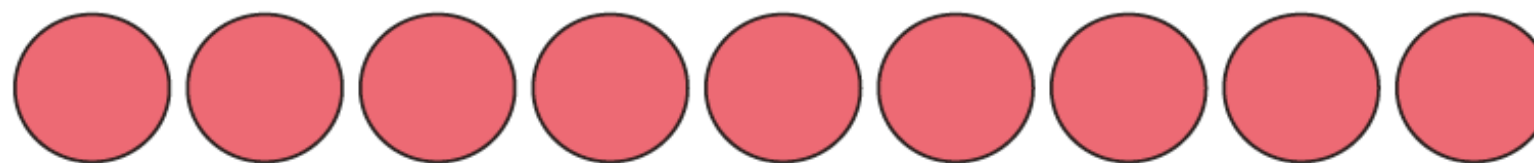


$$7 \div 5 = \square$$

- 2 (a) $8 \div 4 = \frac{\square}{4}$



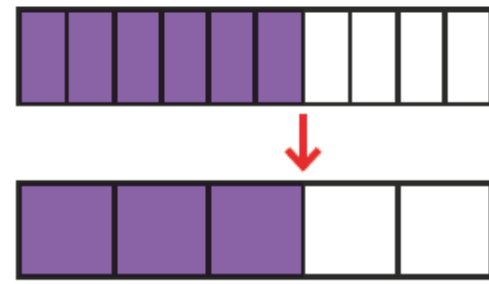
- (b) $9 \div 4 = \square$



- (c) $7 \div 4 = \square$



3 $\frac{6}{10} = \frac{\square}{5}$



Write $\frac{6}{10}$ in its simplest form.

$$\frac{6}{10} = \frac{3}{5}$$

$\xrightarrow{\div 2}$
 $\xrightarrow{\div 2}$



Guided Practice

1 Write as improper fractions.

(a) $3\frac{2}{3} = \frac{\square}{3}$

(b) $4 = \frac{\square}{3}$

(c) $4 = \frac{\square}{4}$

2 Write as mixed numbers.

(a) $\frac{7}{5} = \square$

(b) $\frac{7}{3} = \square$

3 Write in their simplest forms.

(a) $3\frac{8}{10} = \square$

(b) $\frac{8}{12} = \square$

Name: _____ Class: _____ Date: _____

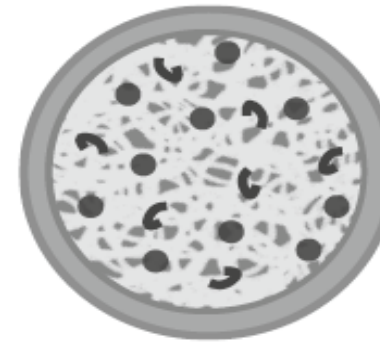
Worksheet 1

Dividing to Make Fractions

- 1 Lulu bought a pizza to share equally with Amira and Elliott. What fraction of the pizza did each of them get?

$$\square \div \square = \square$$

Each person got of a pizza.



- 2 4 boys shared 6 bars of chocolate equally. What fraction of the bars did each boy get? Use different colours to shade the bars to show the division. Show your answer in the simplest form.

$$\square \div \square = \square$$

$$= \square$$

Each boy got bars.

| |
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3 Divide.

$$(a) \quad 10 \div 5 = \frac{10}{5}$$
$$= \square$$

$$(b) \quad 12 \div 3 = \square$$
$$= \square$$

$$(c) \quad 15 \div 3 = \square$$
$$= \square$$

$$(d) \quad 9 \div 3 = \square$$
$$= \square$$

4 Divide and give your answer in the simplest form.

$$(a) \quad 3 \div 7 = \square$$

$$(b) \quad 7 \div 6 = \square$$

$$(c) \quad 8 \div 3 = \square$$

$$(d) \quad 9 \div 6 = \square$$
$$= \square$$

$$(e) \quad 15 \div 6 = \square$$
$$= \square$$

$$(f) \quad 52 \div 8 = \square$$
$$= \square$$

Worksheet 2

Writing Improper Fractions and Mixed Numbers

- 1 Sam has three pancakes on his plate. He cuts each pancake into halves. How many half pancakes will he get?

$$3 = \frac{\quad}{2}$$
$$= \quad \text{halves}$$

He will get halves.

- 2 What fraction of the bars are shaded? Show your answer as an improper fraction.



$$1\frac{1}{3} = \frac{\quad}{\quad} \text{ thirds}$$
$$= \frac{\quad}{\quad}$$

of the bars are shaded.

3 Write each of the following as an improper fraction in its simplest form.

(a) $4 = \square$

(b) $5 = \square$

(c) $1\frac{2}{5} = \square$

(d) $1\frac{3}{8} = \square$

(e) $2\frac{4}{7} = \square$

(f) $2\frac{5}{6} = \square$

(g) $1\frac{2}{4} = \square$

(h) $2\frac{2}{10} = \square$

4 Write each of the following as a mixed number in its simplest form.

(a) $\frac{5}{2} = \square$

(b) $\frac{13}{3} = \square$

(c) $\frac{13}{4} = \square$

(d) $\frac{16}{7} = \square$

(e) $\frac{26}{6} = \square$

(f) $\frac{46}{8} = \square$

(g) $\frac{38}{12} = \square$

(h) $\frac{54}{10} = \square$

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