

# Equivalent fractions

$$2+2=4$$

Fluency

1. Work out each fraction and fill in the boxes. Then, draw lines to match the equivalent fractions. One has been done for you.

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

# Equivalent fractions

$$2+2=4$$

Fluency

2. Use the diagrams to help you fill in the missing numbers for these equivalent fractions.

			$\frac{1}{2} = \frac{\square}{8}$	$\frac{1}{2} = \frac{\square}{4}$	$\frac{2}{4} = \frac{\square}{8}$
--	--	--	-----------------------------------	-----------------------------------	-----------------------------------

$\frac{1}{3}$		$\frac{1}{3}$			
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$		
$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$

$$\frac{1}{3} = \frac{\square}{9}$$

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

$$\frac{\square}{3} = \frac{6}{9}$$

# Equivalent fractions

$$2+2=4$$

Fluency

3. a) Use the bar below, to help you fill in the missing numbers for these equivalent fractions.



$$\frac{1}{2} = \frac{\square}{16}$$

$$\frac{1}{4} = \frac{\square}{16}$$

$$\frac{1}{8} = \frac{\square}{16}$$

b) Use the bar below, to help you fill in the missing numbers for these equivalent fractions.



$$\frac{2}{8} = \frac{\square}{16}$$

$$\frac{3}{4} = \frac{\square}{16}$$

$$\frac{4}{8} = \frac{\square}{16}$$

$$\frac{2}{4} = \frac{\square}{8}$$

# Equivalent fractions



## Explanation

4. Fill in the missing numbers for these equivalent fractions.

$$\frac{3}{4} = \frac{\square}{12}$$

$$\frac{4}{\square} = \frac{16}{20}$$

$$\frac{2}{9} = \frac{\square}{18}$$

$$\frac{5}{8} = \frac{\square}{16}$$

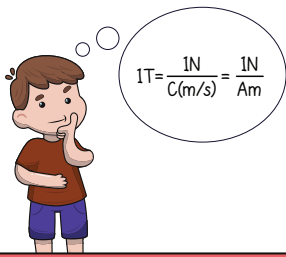
$$\frac{5}{6} = \frac{\square}{30}$$

$$\frac{4}{7} = \frac{\square}{35}$$

$$\frac{3}{5} = \frac{\square}{10} = \frac{\square}{15}$$

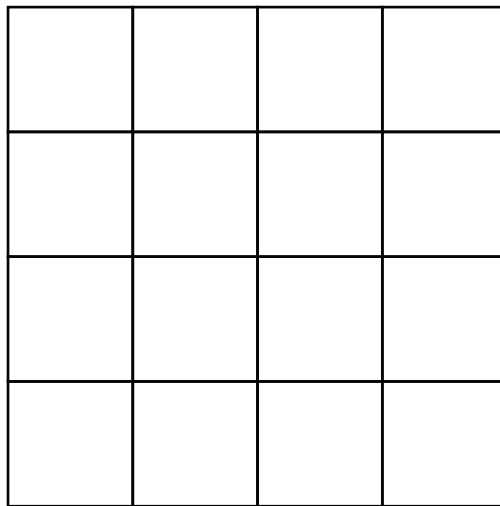
$$\frac{\square}{4} = \frac{15}{20} = \frac{30}{\square}$$

# Equivalent fractions



## Problem solving

5. Follow the instructions, to work out the answer.



Colour  $\frac{1}{2}$  of this shape in green.

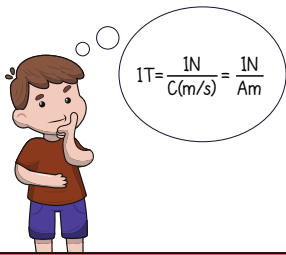
Colour  $\frac{1}{8}$  in blue.

Colour  $\frac{1}{16}$  in red.

Colour  $\frac{1}{4}$  in yellow.

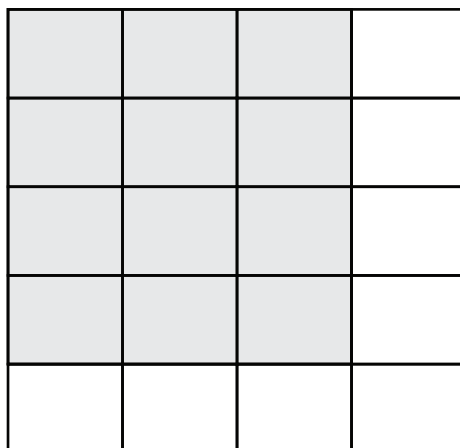
What fraction are you left with?

# Equivalent fractions



## Problem solving

6.



a) What fraction of this shape is shaded?


b) Find another three equivalent fractions for the shaded amount.

# Equivalent fractions

$$2+2=4$$

Fluency

ANSWERS

1. Work out each fraction and fill in the boxes. Then, draw lines to match the equivalent fractions. One has been done for you.

$\frac{2}{5}$			$\frac{9}{12}$
$\frac{1}{5}$			$\frac{4}{10}$
$\frac{1}{2}$			$\frac{5}{10}$
$\frac{2}{2}$			$\frac{10}{10}$
$\frac{3}{4}$			$\frac{2}{10}$
$\frac{4}{4}$			$\frac{10}{10}$

# Equivalent fractions

$$2+2=4$$

Fluency

ANSWERS

2. Use the diagrams to help you fill in the missing numbers for these equivalent fractions.

			$\frac{1}{2} = \frac{4}{8}$	$\frac{1}{2} = \frac{2}{4}$	$\frac{2}{4} = \frac{4}{8}$
--	--	--	-----------------------------	-----------------------------	-----------------------------

$\frac{1}{3}$		$\frac{1}{3}$			
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$
$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$

$$\frac{1}{3} = \frac{3}{9}$$

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

$$\frac{2}{3} = \frac{6}{9}$$

# Equivalent fractions

$$2+2=4$$

Fluency

ANSWERS

3. a) Use the bar below, to help you fill in the missing numbers for these equivalent fractions.



$$\frac{1}{2} = \frac{8}{16}$$

$$\frac{1}{4} = \frac{4}{16}$$

$$\frac{1}{8} = \frac{2}{16}$$

b) Use the bar below, to help you fill in the missing numbers for these equivalent fractions.



$$\frac{2}{8} = \frac{4}{16}$$

$$\frac{3}{4} = \frac{12}{16}$$

$$\frac{4}{8} = \frac{8}{16}$$

$$\frac{2}{4} = \frac{4}{8}$$

# Equivalent fractions



Explanation

ANSWERS

4. Fill in the missing numbers for these equivalent fractions.

$$\frac{3}{4} = \frac{\boxed{9}}{12}$$

$$\frac{4}{\boxed{5}} = \frac{16}{20}$$

$$\frac{2}{9} = \frac{\boxed{4}}{18}$$

$$\frac{5}{8} = \frac{\boxed{10}}{16}$$

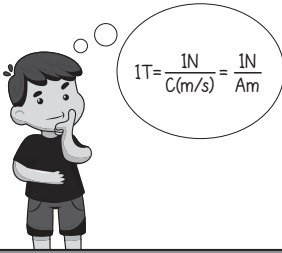
$$\frac{5}{6} = \frac{\boxed{25}}{30}$$

$$\frac{4}{7} = \frac{\boxed{20}}{35}$$

$$\frac{3}{5} = \frac{\boxed{6}}{10} = \frac{\boxed{9}}{15}$$

$$\frac{\boxed{3}}{4} = \frac{15}{20} = \frac{30}{\boxed{40}}$$

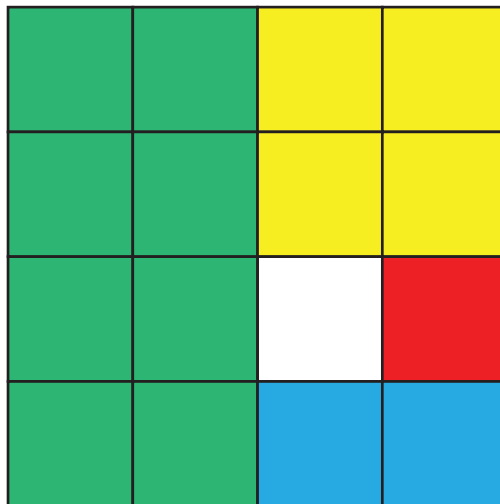
# Equivalent fractions



Problem solving

ANSWERS

5. Follow the instructions, to work out the answer.



Colour  $\frac{1}{2}$  of this shape in green.

Colour  $\frac{1}{8}$  in blue.

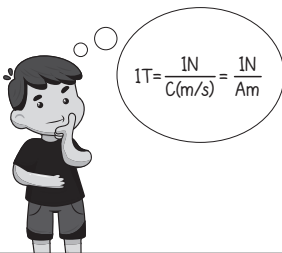
Colour  $\frac{1}{16}$  in red.

Colour  $\frac{1}{4}$  in yellow.

What fraction are you left with?

$$\boxed{\frac{1}{16}}$$

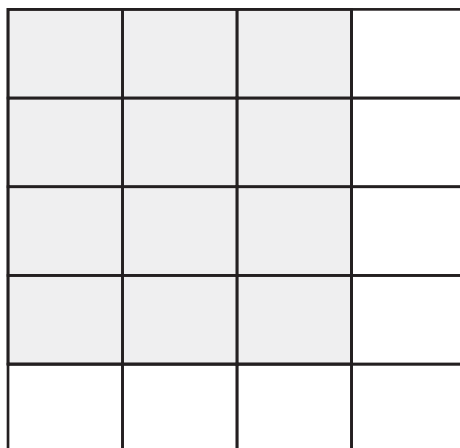
# Equivalent fractions



Problem solving

ANSWERS

6.



a) What fraction of this shape is shaded?

$$\boxed{\frac{12}{20}}$$

b) Find another three equivalent fractions for the shaded amount.

$$\boxed{\frac{3}{5}} \quad \boxed{\frac{6}{10}} \quad \boxed{\frac{24}{40}}$$