

a

A quarter of the length of a piece of wood is 45cm.

What is the total length of the wood?

c

Calculate the missing values in these equivalent fractions.

$$\frac{3}{4} = \frac{\square}{12} = \frac{15}{\square} = \frac{\square}{40} = \frac{27}{\square}$$

e

Calculate and leave your answers in their simplest form.

a. $\frac{3}{5} \times \frac{6}{8} =$

b. $\frac{3}{8} \div 3 =$

b

Put these fractions in order of size, starting with the smallest.

$$\frac{2}{3}, \frac{1}{2}, \frac{3}{4}, \frac{4}{5}, \frac{1}{8}$$

d

Calculate and leave your answers in their simplest form.

a. $\frac{3}{8} + \frac{1}{4} =$

b. $\frac{5}{9} - \frac{1}{3} =$

f

A cat eats $\frac{2}{3}$ of a tin of food a day.

How many tins does it eat in 4 days?
Give your answer as a mixed number.



a

A pizza is cut into 8 equal pieces. Carol eats 3 pieces and Jamil eats 2 pieces.

What fraction of the pizza is left?



c

Find 4 equivalent fractions.

$$\frac{4}{5} = \frac{\square}{20} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$$

e

Calculate and leave your answers in their simplest form.

a. $\frac{5}{9} \times \frac{2}{5} =$

b. $\frac{6}{11} \div 2 =$

b

Put these fractions and mixed numbers in order of size, starting with the smallest.

$\frac{5}{7}, \frac{1}{2}, 2\frac{1}{4}, 2\frac{3}{5}, \frac{5}{2}$

d

Calculate and leave your answers in their simplest form.

a. $\frac{2}{5} + \frac{3}{4} =$

b. $\frac{3}{7} - \frac{3}{14} =$

f

A dog eats $1\frac{1}{3}$ tins of food a day.

How many tins does it eat in 3 days?





Convert these fractions into decimals.

a

a. $\frac{1}{8}$

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

Simplify fully the following fractions.

c

a. $\frac{8}{10}$

b. $\frac{5}{2}$

Caleb has a crate containing only apples and oranges. Altogether, there are 65 pieces of fruit. $\frac{3}{5}$ of them are apples.

e

How many oranges are there in the crate?



Put these fractions in order of size, starting with the largest.

b

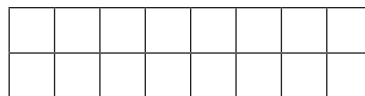
$\frac{3}{10}, \frac{2}{5}, \frac{5}{4}, \frac{6}{5}, \frac{1}{2}$

David eats $\frac{1}{4}$ of a bag of sweets, Ryan eats $\frac{3}{8}$ of the same size bag of sweets.

d

Who ate the most?

You can use the diagram below to help you explain your answer.



Seid has some cartons of orange juice. He drinks $\frac{3}{4}$ of a carton of orange juice on Monday and $\frac{2}{5}$ of a carton on Tuesday.


f

How much did he drink in total? Write your answer as a mixed number.



a

How tall is a building if $\frac{2}{3}$ of its total height is 8m?



c

Calculate the missing values in these equivalent fractions.

$$\frac{20}{30} = \frac{\square}{90} = \frac{2}{\square} = \frac{\square}{600} = \frac{10}{\square}$$

e

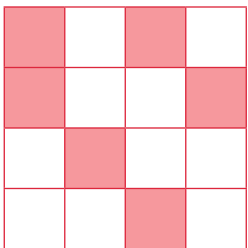
Calculate and leave your answers in their simplest form.

a. $\frac{3}{10} \times 5 =$

b. $\frac{7}{12} \div 4 =$

b

What fraction of the shape is not shaded? Write your answer in its simplest form.



d

Calculate and leave your answers in their simplest form.

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

b. $\frac{5}{8} - \frac{3}{8} =$

f

Calculate the following amounts.

a. $\frac{4}{9}$ of 81

b. $\frac{5}{6}$ of 66

a

Brooke had a chocolate bar and she wanted to eat some of it. She gave her sister Kayla $\frac{1}{5}$ of it and she gave her mum $\frac{2}{5}$ of it. Her dad said he wanted $\frac{4}{10}$ of it.

Explain why Brooke said no to her dad.



b

Put these fractions and mixed number in order of size, starting with the largest.

$\frac{4}{9}$, $\frac{7}{5}$, $1\frac{3}{4}$, $\frac{2}{15}$, $\frac{11}{2}$

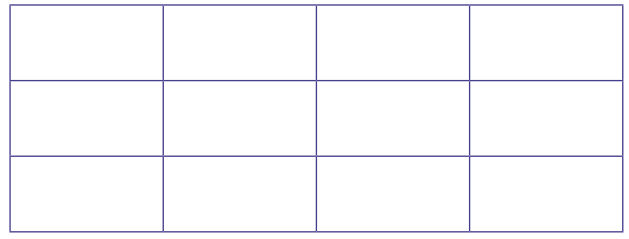
c

Find 4 equivalent fractions.

$$\frac{3}{7} = \frac{\square}{21} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$$

f

Shade $\frac{1}{3}$ of the diagram below.



d

Calculate and leave your answers in their simplest form.

a. $\frac{6}{7} \times \frac{4}{10} =$

b. $\frac{6}{5} \div 4 =$

e

Convert these fractions to decimals.

a. $\frac{3}{10} =$

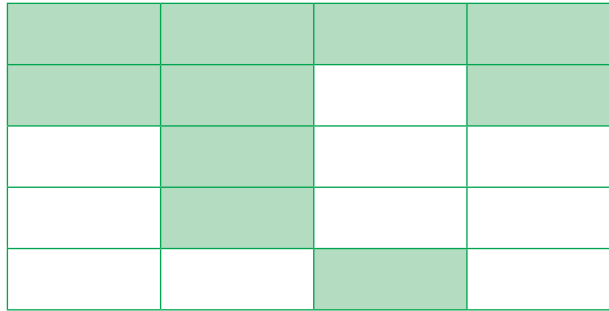
b. $\frac{3}{8} =$



a
A rabbit eats $\frac{1}{2}$ of a bag of food a day.
How many bags does it eat in 11 days?



c
What fraction of the shape is shaded?
Write your answer in its simplest form.



f
Two thirds of the length of a fence is 99cm.
What is the total length of the fence?

b
Calculate and write your answers in their simplest form.

a. $\frac{4}{10} + \frac{2}{5} =$

b. $10 - \frac{2}{3} =$

d
Calculate $\frac{1}{5}$ of $\frac{2}{3}$ of 30.

e
Kerrie has a packet of biscuits. She eats $\frac{1}{3}$ of them and, after giving some to Kyle, she has $\frac{2}{9}$ left.

What fraction did she give to Kyle?





a

A quarter of the length of a piece of wood is 45cm.

What is the total length of the wood?

$4 \times 45 = 180\text{cm}$

c

Calculate the missing values in these equivalent fractions.

$$\frac{3}{4} = \frac{\boxed{9}}{12} = \frac{15}{\boxed{20}} = \frac{\boxed{30}}{40} = \frac{27}{\boxed{36}}$$

e

Calculate and leave your answers in their simplest form.

a. $\frac{3}{5} \times \frac{6}{8} = \frac{18}{40} = \frac{9}{20}$

b. $\frac{3}{8} \div 3 = \frac{3}{8} \times \frac{1}{3} = \frac{3}{24} = \frac{1}{8}$

b

Put these fractions in order of size, starting with the smallest.

$\frac{2}{3}, \frac{1}{2}, \frac{3}{4}, \frac{4}{5}, \frac{1}{8}$

$\frac{1}{8}, \frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{4}{5}$

d

Calculate and leave your answers in their simplest form.

a. $\frac{3}{8} + \frac{1}{4} = \frac{3}{8} + \frac{2}{8} = \frac{5}{8}$


b. $\frac{5}{9} - \frac{1}{3} = \frac{5}{9} - \frac{3}{9} = \frac{2}{9}$

f

A cat eats $\frac{2}{3}$ of a tin of food a day.

How many tins does it eat in 4 days?
Give your answer as a mixed number.

$\frac{2}{3} \times 4 = \frac{8}{3} = 2\frac{2}{3}$ tins.




a
A pizza is cut into 8 equal pieces. Carol eats 3 pieces and Jamil eats 2 pieces.

What fraction of the pizza is left?

$$1 - \left(\frac{3}{8} + \frac{2}{8}\right) = \frac{3}{8}$$



3/8

c
Find 4 equivalent fractions.

$$\frac{4}{5} = \frac{16}{20} = \frac{8}{10} = \frac{12}{15} = \frac{40}{50}$$

Final 3 answers may vary.

e
Calculate and leave your answers in their simplest form.

a. $\frac{5}{9} \times \frac{2}{5} = \frac{10}{45} = \frac{2}{9}$

b. $\frac{6}{11} \div 2 = \frac{6}{11} \times \frac{1}{2} = \frac{6}{22} = \frac{3}{11}$

b
Put these fractions and mixed numbers in order of size, starting with the smallest.

$$\frac{5}{7}, \frac{1}{2}, 2\frac{1}{4}, 2\frac{3}{5}, \frac{5}{2}$$

$$\frac{1}{2}, \frac{5}{7}, 2\frac{1}{4}, \frac{5}{2}, 2\frac{3}{5}$$

d
Calculate and leave your answers in their simplest form.

a. $\frac{2}{5} + \frac{3}{4} = \frac{8}{20} + \frac{15}{20} = \frac{23}{20} = 1\frac{3}{20}$

b. $\frac{3}{7} - \frac{3}{14} = \frac{6}{14} - \frac{3}{14} = \frac{3}{14}$

f
A dog eats $1\frac{1}{3}$ tins of food a day.

How many tins does it eat in 3 days?

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



4 tins



a

Convert these fractions into decimals.

a. $\frac{1}{8} = 0.125$

b. $\frac{4}{5} = 0.8$

c

Simplify fully the following fractions.

a. $\frac{8}{10} = \frac{4}{5}$

b. $\frac{5}{2} = 2\frac{1}{2}$


e

Caleb has a crate containing only apples and oranges. Altogether, there are 65 pieces of fruit. $\frac{3}{5}$ of them are apples.

How many oranges are there in the crate?

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

$\frac{2}{5} \times 65 = \frac{130}{5} = 26$



26 oranges

b

Put these fractions in order of size, starting with the largest.

$\frac{3}{10}, \frac{2}{5}, \frac{5}{4}, \frac{6}{5}, \frac{1}{2}$

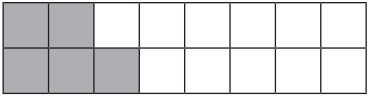
$\frac{5}{4}, \frac{6}{5}, \frac{1}{2}, \frac{2}{5}, \frac{3}{10}$

d

David eats $\frac{1}{4}$ of a bag of sweets, Ryan eats $\frac{3}{8}$ of the same size bag of sweets.

Who ate the most?

You can use the diagram below to help you explain your answer.



$\frac{1}{4} = \frac{2}{8}$ so Ryan ate more sweets than David.


Ryan

f

Seid has some cartons of orange juice. He drinks $\frac{3}{4}$ of a carton of orange juice on Monday and $\frac{2}{5}$ of a carton on Tuesday.

How much did he drink in total? Write your answer as a mixed number.

$\frac{3}{4} + \frac{2}{5} = \frac{15}{20} + \frac{8}{20} = \frac{23}{20} = 1\frac{3}{20}$




a

How tall is a building if $\frac{2}{3}$ of its total height is 8m?

$8 \times 3 = 24$

$24 \div 2 = 12$

12m

c

Calculate the missing values in these equivalent fractions.

$$\frac{20}{30} = \frac{\boxed{60}}{90} = \frac{2}{\boxed{3}} = \frac{\boxed{400}}{600} = \frac{10}{\boxed{15}}$$

e

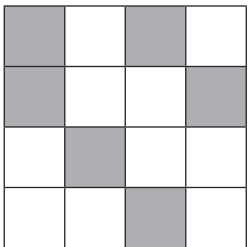
Calculate and leave your answers in their simplest form.

a. $\frac{3}{10} \times 5 = \frac{15}{10} = 1\frac{5}{10} = 1\frac{1}{2}$

b. $\frac{7}{12} \div 4 = \frac{7}{12} \times \frac{1}{4} = \frac{7}{48}$

b

What fraction of the shape is not shaded?
Write your answer in its simplest form.



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

d

Calculate and leave your answers in their simplest form.

a. $2\frac{1}{2} + \frac{3}{5} = \frac{5}{2} + \frac{3}{5} = \frac{25}{10} + \frac{6}{10} = \frac{31}{10} = 3\frac{1}{10}$

b. $\frac{5}{8} - \frac{3}{8} = \frac{2}{8} = \frac{1}{4}$

f

Calculate the following amounts.

a. $\frac{4}{9}$ of 81
 $81 \div 9 = 9$
 $9 \times 4 = 36$

b. $\frac{5}{6}$ of 66
 $66 \div 6 = 11$
 $11 \times 5 = 55$



a

Brooke had a chocolate bar and she wanted to eat some of it. She gave her sister Kayla $\frac{1}{5}$ of it and she gave her mum $\frac{2}{5}$ of it. Her dad said he wanted $\frac{4}{10}$ of it.

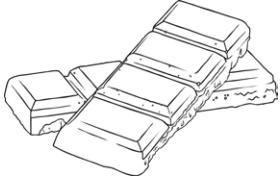
Explain why Brooke said no to her dad.

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

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

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

If she'd given her dad $\frac{4}{10}$ of the chocolate bar, there would have been none left for her.



c

Find 4 equivalent fractions.

$\frac{3}{7} = \frac{9}{21} = \frac{6}{14} = \frac{30}{70} = \frac{12}{28}$

f

Shade $\frac{1}{3}$ of the diagram below.

Any 4 rectangles shaded.

d

Calculate and leave your answers in their simplest form.

a. $\frac{6}{7} \times \frac{4}{10} = \frac{36}{70} = \frac{18}{35}$

b. $\frac{6}{5} \div 4 = \frac{6}{5} \times \frac{1}{4} = \frac{6}{20} = \frac{3}{10}$

e

Convert these fractions to decimals.

a. $\frac{3}{10} = 0.3$

b. $\frac{3}{8} = 0.375$

b

Put these fractions and mixed number in order of size, starting with the largest.

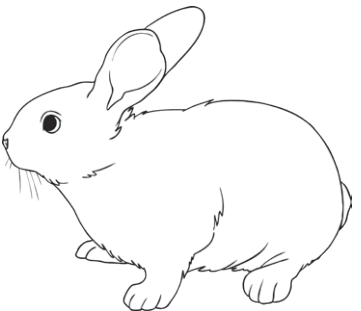
$\frac{4}{9}, \frac{7}{5}, 1\frac{3}{4}, \frac{2}{15}, \frac{11}{2}$

$\frac{11}{2}, 1\frac{3}{4}, \frac{7}{5}, \frac{4}{9}, \frac{2}{15}$

a

A rabbit eats $\frac{1}{2}$ of a bag of food a day.
How many bags does it eat in 11 days?

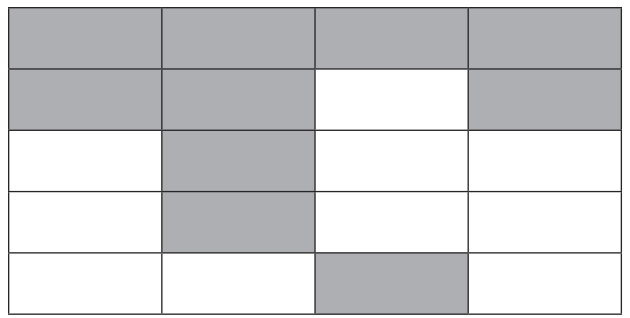
$\frac{1}{2} \times 11 = \frac{11}{2} = 5\frac{1}{2}$



5 $\frac{1}{2}$ bags

c

What fraction of the shape is shaded?
Write your answer in its simplest form.



$\frac{10}{20} = \frac{1}{2}$

$\frac{1}{2}$

f

Two thirds of the length of a fence is 99cm.
What is the total length of the fence?

$3 \times 99 = 297$

$297 \div 2 = 148.5$

148.5cm

b

Calculate and write your answers in their simplest form.

a. $\frac{4}{10} + \frac{2}{5} = \frac{4}{10} + \frac{4}{10} = \frac{8}{10} = \frac{4}{5}$

b. $10 - \frac{2}{3} = \frac{10}{1} - \frac{2}{3} = \frac{30}{3} - \frac{2}{3} = \frac{28}{3} = 9\frac{1}{3}$

d

Calculate $\frac{1}{5}$ of $\frac{2}{3}$ of 30.

$\frac{2}{3} \times 30 = \frac{60}{3} = 20$

$\frac{1}{5} \times 20 = \frac{20}{5} = 4$

4


e

Kerrie has a packet of biscuits. She eats $\frac{1}{3}$ of them and, after giving some to Kyle, she has $\frac{2}{9}$ left.

What fraction did she give to Kyle?

$\frac{1}{3} + \frac{2}{9} = \frac{3}{9} + \frac{2}{9} = \frac{5}{9}$

$1 - \frac{5}{9} = \frac{4}{9}$



$\frac{4}{9}$