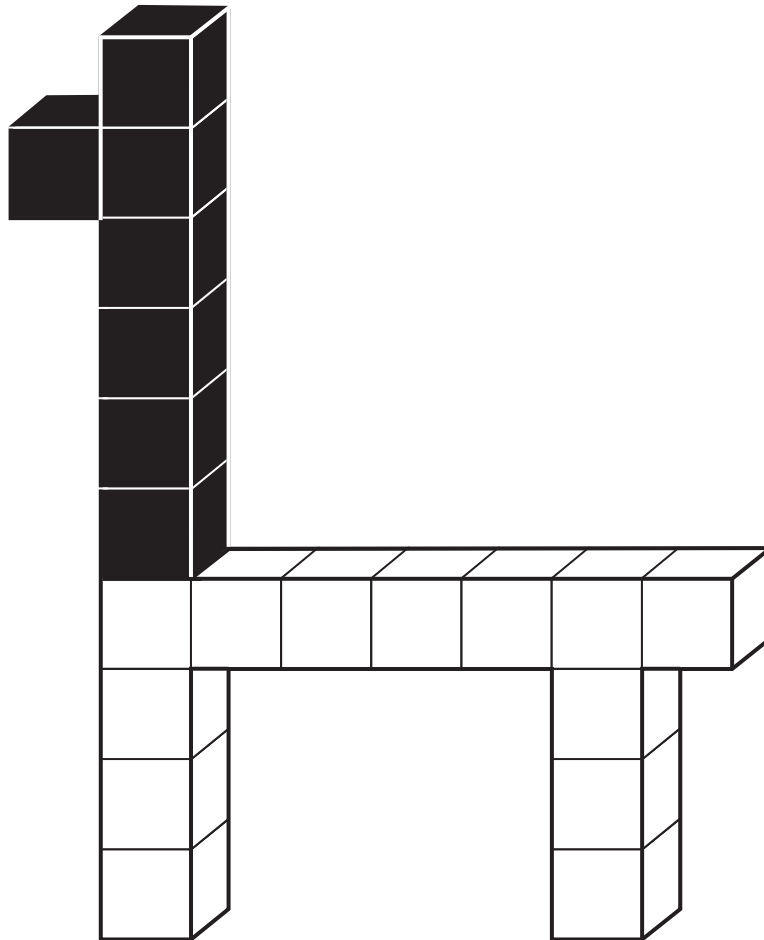


17

This model is made with 20 cubes.



What **percentage** of the cubes in the model is black?

 %

1 mark



In each box, circle the number that is **greater**.

$$1\frac{1}{2}$$

$$1.2$$

$$1\frac{1}{4}$$

$$1.3$$

$$1\frac{5}{100}$$

$$1.4$$

$$1\frac{3}{5}$$

$$1.5$$

2 marks



18Tick the fractions **less than** $\frac{5}{8}$

$\frac{1}{2}$ ☐

$\frac{2}{8}$ ☐

$\frac{3}{4}$ ☐

$\frac{7}{16}$ ☐

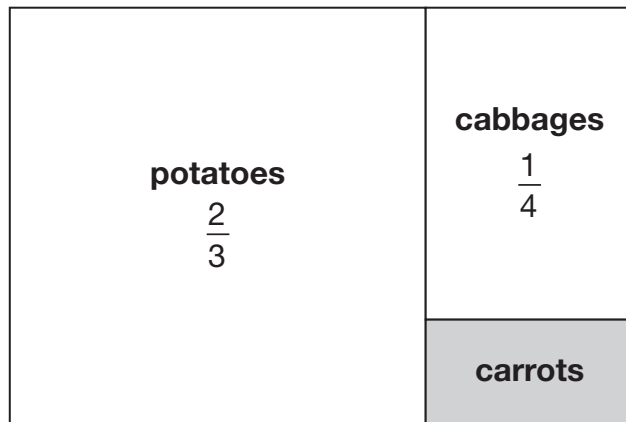
$\frac{24}{32}$ ☐

2 marks

18

This is a diagram of a vegetable garden.

It shows the fractions of the garden planted with potatoes and cabbages.



Not to scale

The remaining area is planted with carrots.

What **fraction** of the garden is planted with carrots?

Show
your
method

2 marks



18

Here are the ingredients for chocolate ice cream.

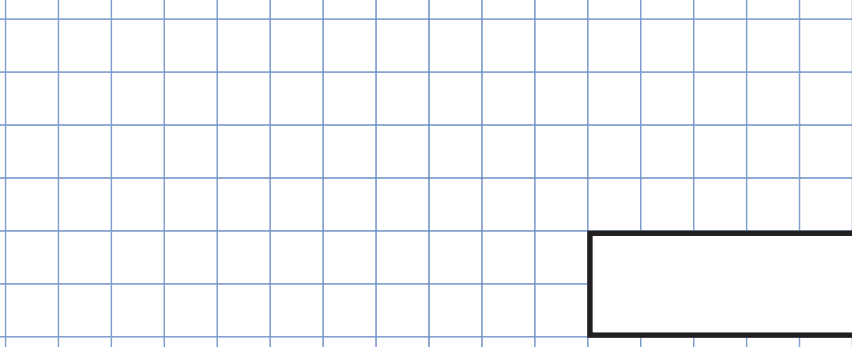
cream	400 ml
milk	500 ml
egg yolks	4
chocolate	120 g
sugar	100 g



Stefan has only 300ml of cream to make chocolate ice cream.

How much **chocolate** should he use?

Show
your
method



A 20x10 grid with a black box containing the letter 'g' in the bottom right corner.

2 marks



18

A cat sleeps for **12 hours** each day.

50% of its life is spent asleep.



Write the missing percentage.

A koala sleeps for **18 hours** each day.

%

of its life is spent asleep.



1 mark





The **full price** of a T-shirt is £15

The price is reduced by 30%.

What is the **reduced price**?

Show your method

£

2 marks



19

One gram of gold costs £32.94

What is the cost of **half a kilogram** of gold?

Show your method

£

2 marks



19

Layla wants to estimate the answer to this calculation.

$$3\frac{9}{10} - 2\frac{1}{8} + 1\frac{4}{5}$$

Tick the calculation below that is the best estimate.

Tick **one**.

$3 - 2 + 2$ ☐

$4 - 2 + 1$ ☐

$4 - 2 + 2$ ☐

$3 - 2 + 1$ ☐

1 mark



G 0 0 0 7 0 A 0 1 9 2 4