


Find the measurement of b



$$\frac{4}{8} \times 7 =$$


$$\times 100 = 89.32$$

Sort the shapes in to irregular and regular polygons.



Note down which ones you know are regular polygons

If you have any questions about your learning please email:

learning@wembleyprimary.brent.sch.uk

You do not need to send in any maths learning to your teacher- all answers have been provided for you to self mark.

Please complete learning in your home learning book.

You will also have maths work on Education City.

Day 1- Fractions, decimals and percentages problem solving

We are going to use everything we've learnt over the last two weeks to try and do some problem solving.

TIPS:

- Refer back to previous days from the last two weeks if you get stuck
- If you are comparing e.g. fractions and decimals, convert them to one form before trying to compare
- Create equivalent fractions where needed
- Use RUCKSAC!

MILD:

Write these masses in order, starting with the **lightest**.

1.25 kg

0.99 kg

1.025 kg

0.009 kg

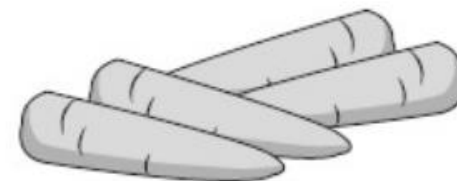
kg	kg	kg	kg

lightest

HOT:



potatoes
£1.50 per kg



carrots
£1.80 per kg

Jack buys $1\frac{1}{2}$ kg of potatoes and $\frac{1}{2}$ kg of carrots.

How much **change** does he get from £5?

MILD:

Here are three symbols.

< > =

Write one symbol in each box to make the statements correct.

7

10

0.07

23

1000

0.23

HOT:

Amina asked 60 children to choose their favourite flavour of jelly.

These were her results.

Flavour	Number of children
Raspberry	12
Lemon	8
Orange	15
Blackcurrant	25
Total	60

What **percentage** of the 60 children chose orange?

%

MILD:

Write the two missing values to make these equivalent fractions correct.

$$\frac{\boxed{}}{3} = \frac{8}{12} = \frac{4}{\boxed{}}$$

HOT:

- There are 12 biscuits in a packet. Jay eats $\frac{1}{3}$ of the biscuits and Ruby eats 25% of the biscuits.

Who ate the most biscuits? Explain your answer referring to equivalence.

MILD:

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

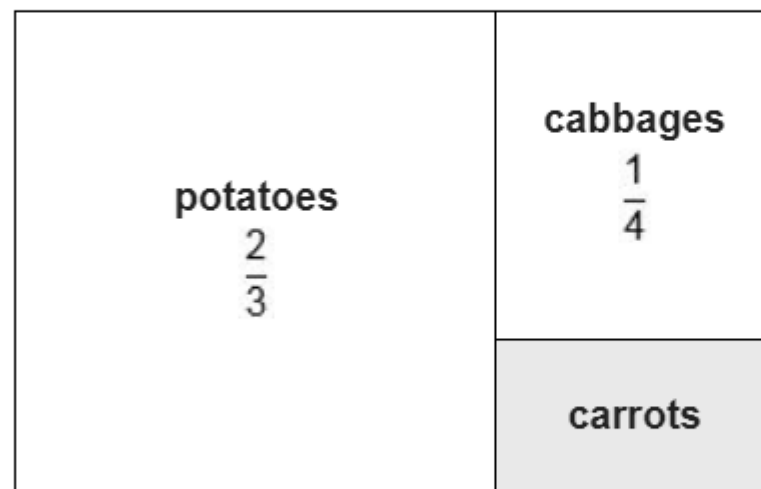
$$1\frac{3}{5}$$

1.5

HOT:

This is a diagram of a vegetable garden.

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



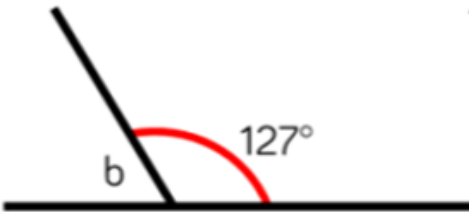
Not to scale

The remaining area is planted with carrots.

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

ANSWERS:

Find the measurement of b



53°

$$\frac{4}{8}$$

\times

$$\frac{7}{1}$$

$=$

$$\frac{28}{8} = 3\frac{4}{8}$$

Sort the shapes in to irregular and regular polygons.



$$\boxed{0.8932} \times 100 = 89.32$$

ANSWERS:

MILD:

Masses in correct order, as shown:

0.009 kg

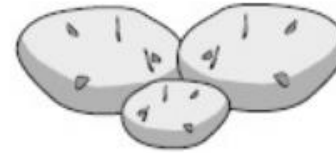
0.99 kg

1.025 kg

1.25 kg

lightest

HOT:



potatoes
£1.50 per kg



carrots
£1.80 per kg

Jack buys $1\frac{1}{2}$ kg of potatoes and $\frac{1}{2}$ kg of carrots.

How much **change** does he get from £5? **£1.85**

ANSWERS:

MILD:

Both symbols correct, as shown:

$$\frac{7}{10} \quad \boxed{>} \quad 0.07$$

$$\frac{23}{1000} \quad \boxed{<} \quad 0.23$$

HOT:

Amina asked 60 children to choose their favourite flavour of jelly.

These were her results.

Flavour	Number of children
Raspberry	12
Lemon	8
Orange	15
Blackcurrant	25
Total	60

What **percentage** of the 60 children chose orange?

25 %

ANSWERS:

MILD:

$$\frac{3}{4} = \frac{9}{\boxed{12}} = \frac{\boxed{18}}{24}$$

HOT: . There are 12 biscuits in a packet. Jay eats $\frac{1}{3}$ of the biscuits and Ruby eats 25% of the biscuits.

Who ate the most biscuits? Explain your answer referring to equivalence.

Jay eats 4/12 biscuits and Ruby eats 3/12 biscuits, Jay ate the most biscuits.

ANSWERS:

MILD:

$1\frac{1}{2}$	1.2
----------------	-----

$1\frac{1}{4}$	1.3
----------------	-----

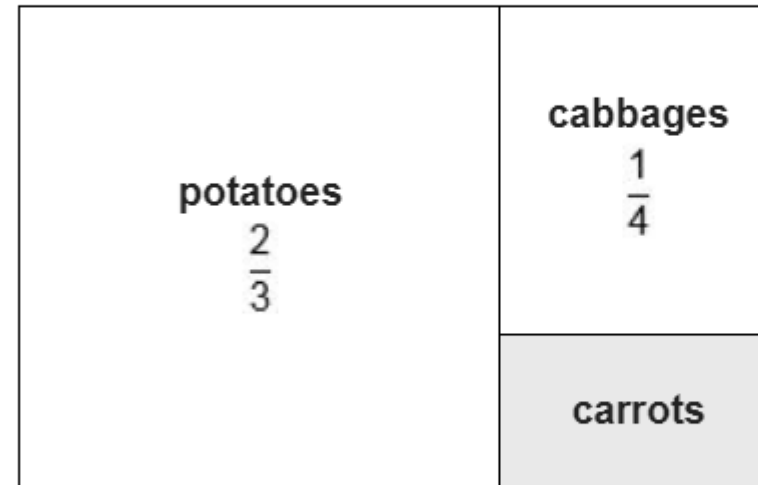
$1\frac{5}{100}$	1.4
------------------	-----

$1\frac{3}{5}$	1.5
----------------	-----

HOT:

This is a diagram of a vegetable garden.

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



Not to scale

$\frac{1}{12}$

The remaining area is planted with carrots.

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