

LO Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.

Calculate 55% of 640

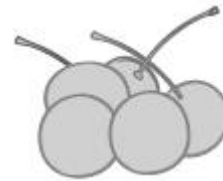


Seb had some cherries.

Every day he ate 10 cherries and gave 5 away.

After he gave the last 5 cherries away, he had eaten 40 cherries altogether.

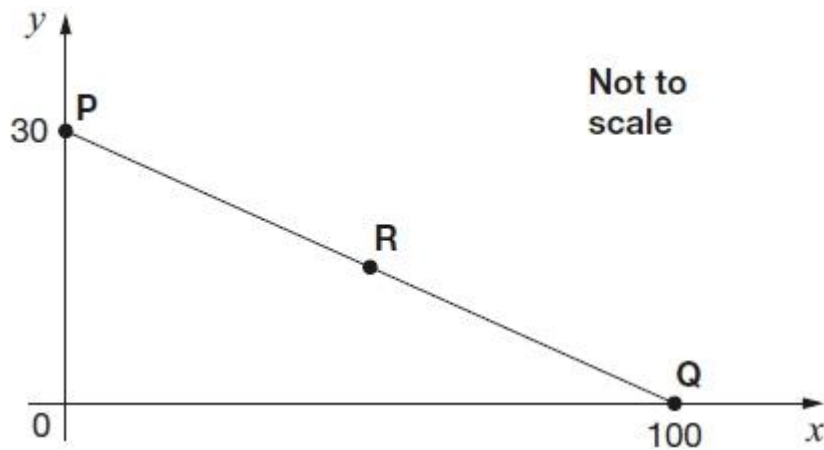
How many cherries did Seb have at the start?



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In this diagram **R** is an equal distance from **P** and **Q**.



What are the coordinates of **R**?

R =



These are the prices of cheese in a shop.



Cheddar cheese
82p for 100 grams

Edam cheese
66p for 100 grams

Cottage cheese
45p for 100 grams

Mina buys **200 g** of Cheddar cheese and **150 g** of Edam cheese.

How much does she pay altogether?

Seb buys some cottage cheese for £1.35.

How many grams of cottage cheese does he get?

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Amina planted some seeds.

For every 3 seeds Amina planted, only 2 seeds grew.

Altogether, 12 seeds grew.

How many seeds did Amina **plant**?



Chen is cooking some pasta.

The recipe says he needs 350 grams of pasta for 4 people.



How many **kilograms** of pasta does he need for **12 people**?

LO Solve problems involving similar shapes where the scale factor is known or can be found.



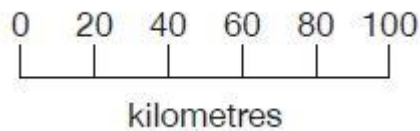
The International Space Station orbits the Earth at a height of 250 miles.

What is the height of the International Space Station in **kilometres**?

Use 8 kilometres equals 5 miles.



On a map, 1 cm represents 20 km.



The distance between two cities is **250 km**.

On the map, what is the distance between the two cities?

LO Solve problems involving similar shapes where the scale factor is known or can be found.



Rectangle **ABCD** has a perimeter of **24 centimetres**.

Sides **AB** and **DC** are **twice as long** as sides **AD** and **BC**.



Not actual size

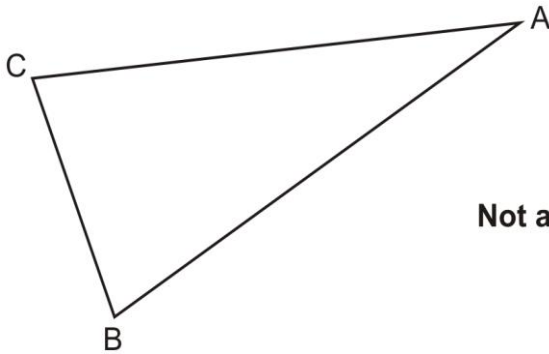
Calculate the length of side **AD**.

Do **not** use a ruler.



Triangle **ABC** is isosceles and has a perimeter of 20 centimetres.

Sides **AB** and **AC** are each twice as long as **BC**.



Not actual size

Calculate the length of the side **BC**.

Do **not** use a ruler.