

Q1.

A box contains 2.6 kg of washing powder.



Jack uses 65 grams of powder for each wash.

He uses all the powder.

How many washes did Jack do?

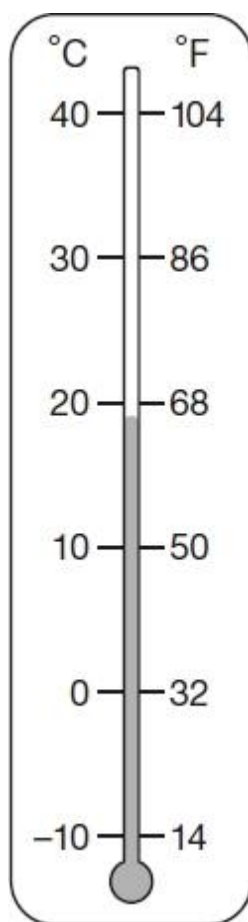
Show
your
method

washes

2 marks

Q2.

This thermometer shows temperatures in both °C and °F.



Work out what **25°C** is in °F.

Show your method

2 marks

Q3.

Write the correct whole number in the box.

5 miles is approximately **kilometres.**

1 mark

Q4.

Olivia's height is measured in feet and inches.

(a) There are 12 inches in a foot.

1 foot is approximately 30 cm.

Approximately, how many centimetres are there in an inch?

Give your answer to one decimal place.

1 mark

(b) Olivia is 4 feet 6 inches tall.

What is Olivia's height in centimetres?

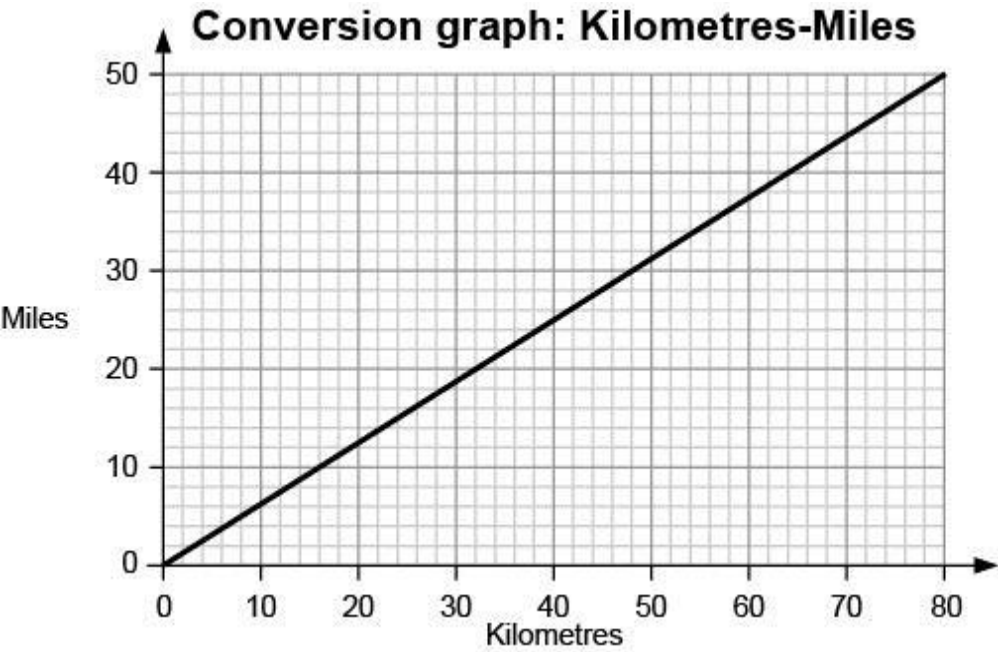
1 mark

Q5.

How many seconds are there in a day?

1 mark

Q6.



Use the graph to work out how many miles are equal to 20 km.

miles

1 mark

Use the graph to work out how many kilometres are equal to 40 miles.

km

1 mark

Q7.

5 miles is approximately equal to 8 km.

Complete the sentences below:

1 mile is approximately equal to

km

1 mark

1 km is approximately equal to

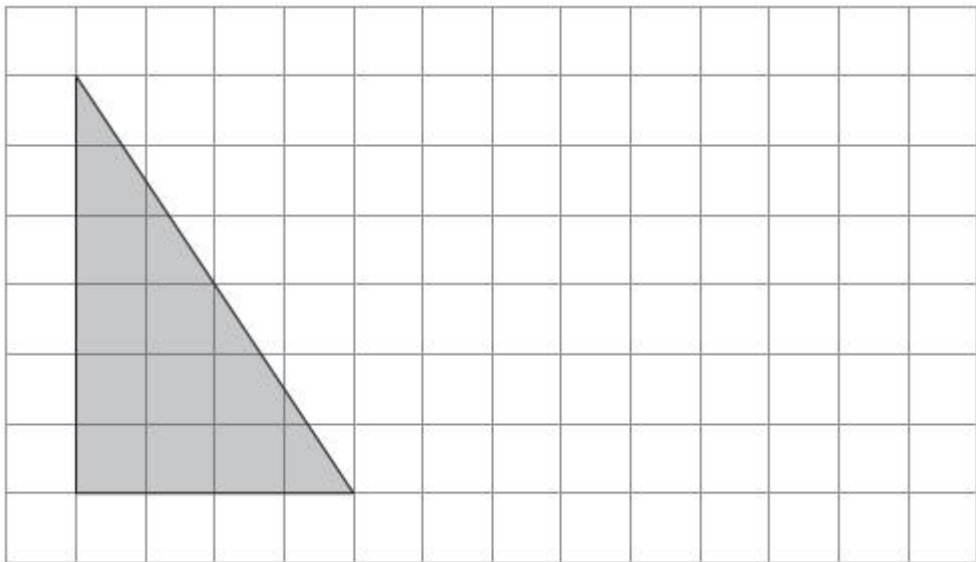
miles

1 mark

Q8.

Draw a rectangle on the grid that has **half** the area of the shaded triangle.

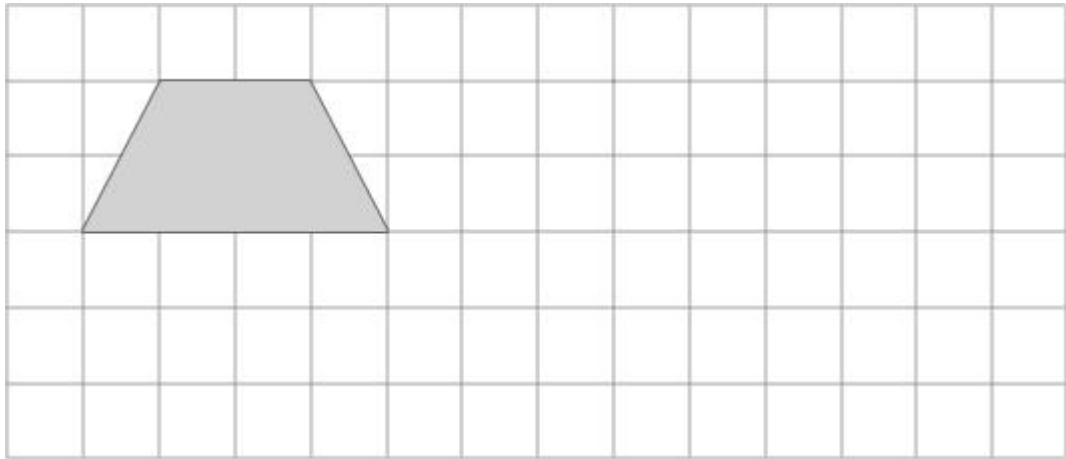
Use a ruler.



1 mark

Q9.

Here is a quadrilateral drawn on a square grid.

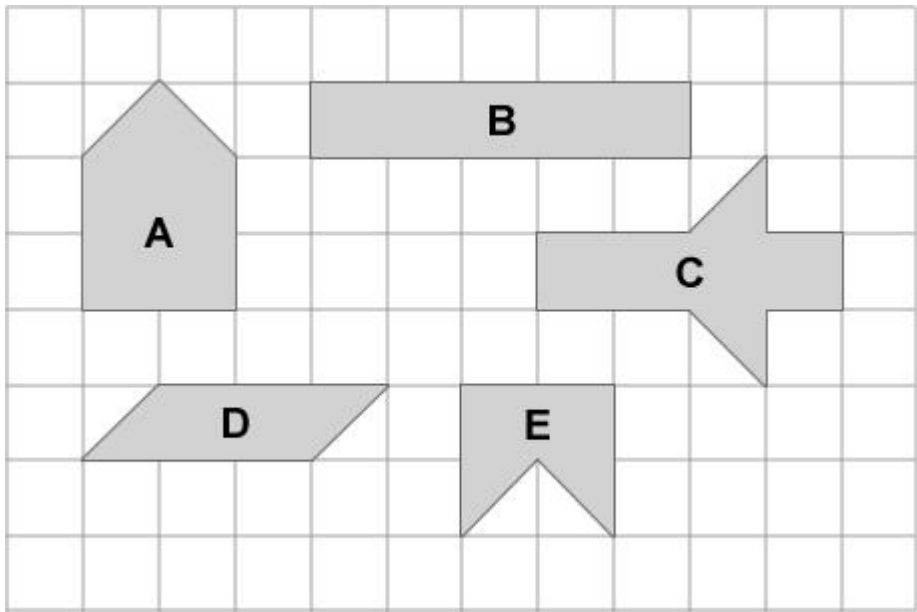


On the same grid, draw a **different** quadrilateral that has the **same** area.

1 mark

Q10.

The diagram shows some shapes on a centimetre square grid.



Which two shapes have the same **area** as shape A?

 and

1 mark

Which two shapes have the same **perimeter** as shape A?

 and

1 mark

Mark schemes

Q1.

Award **TWO** marks for the correct answer of 40

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, e.g.

- $2.6 \times 1,000 = 2,600$
 $2,600 \div 65 =$
- $2.6 \div 0.065 =$

*Answer need not be obtained for the award of **ONE** mark.*

Do not accept an incorrect conversion or no conversion of units, e.g.

- $260 \div 65 =$
- $2.6 \text{ kg} \div 65 \text{ g}$

Up to 2m

[2]

Q2.

Award **TWO** marks for the correct answer of 77°F.

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- $86 - 68 = 18$
 $18 \div 2 = 9$
 $9 + 68$

OR

- $86 - 68 = 18$
 $18 \div 2 = 9$
 $86 - 9$

OR

- $86 + 68 = 154$
 $154 \div 2$

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2m

[2]

Q3.

8

[1]

Q4.

(a) 2.5 cm

1

(b) 135 cm

Accept 1 m 35 cm or 1.35 m

1

[2]

Q5.

86,400

[1]

Q6.

Accept answers in the range 12 – 13 miles inclusive.

1

Accept answers in the range 63.5 – 64.5 miles inclusive.

1

[2]

Q7.

1.6 km

Accept $1\frac{3}{5}$ km or equivalent

1

0.625 miles

Accept $\frac{5}{8}$ or equivalent

1

[2]

Q8.

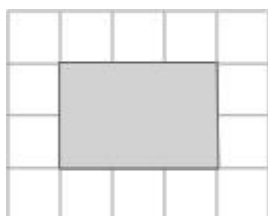
A rectangle with area 6 cm²

A rectangle must be drawn but need not be shaded.

[1]

Q9.

Any different quadrilateral with an area of 6 cm², e.g.



[1]

Q10.

B and C

1

D and E

1

[2]