

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.



1 mark

Q2.

All the water in these two containers is to be poured into the empty container below.



Draw where the water level will be in the container.

Q1.



1 mark

Q3.

This jug holds $\frac{1}{2}$ litre.



This bucket holds 5 litres



How many full jugs of water are needed to fill the bucket?

1 mark

Q4.

Max jumped 2.25 metres on his second try at the long jump.

This was 75 centimetres longer than on his first try.



How far in metres did he jump on his first try?

m 1 mark

Q5.

Write these lengths in order, starting with the shortest.



1 mark

Q6.

Sophie poured some water out of a litre jug.

Look how much is left in the jug.

Estimate how many millilitres of water are left.





1 mark

Q7.

Kate has a piece of ribbon one metre long.

She cuts off 30 centimetres.



How many centimetres of ribbon are left?



1 mark

Q8.

Nisha's kettle holds 2 litres of water.



How many millilitres are equal to 1 cup?



1 mark

1 mark

Q9.

Put these times in order, starting with the shortest.



Q10.

Here are four masses.



Write the masses in order, starting with the lightest.



Q11.

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?



2 marks

Q12.

On a map, 1 cm represents 20 km.



1 mark

The distance between two cities is 250 km.

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



2 marks

Q13.

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?



Q14.

Write the missing numbers.



Q15.

The length of a day on Earth is 24 hours.

 $\frac{2}{1000}$ The length of a day on Mercury is 58 $\overline{3}$ times the length of a day on Earth.

What is the length of a day on Mercury, in hours?



Q1.

400

Q2.



Q3.

10 (jugs)

Q4.

1.50 **OR** 1.5

Accept
$$1^{\frac{1}{2}}$$
 m
Accept 150 cm
Do not accept 150 m

Q5.

Lengths written in correct order as shown:

25mm 3.5cm 20cm 1/2m

Accept use of equivalent units, eg 2.5 cm Accept answers with missing or incorrect units.

Q6.

Answer in the range 800 to 950 inclusive.

Accept estimates in the range 0.80 I to 0.95 I.

[1]

Q7.

70

[1]

[1]

[1]

[1]

[1]

[1]

[1]

Q8.

250

Do not accept
$$\frac{1}{4}$$
 litre.

Q9.

Times written in correct order as shown:

20 sec 1 min 100 sec 5 min

Do not accept times written in reverse order. Accept answers with missing or incorrect units.

Q10.

Masses in order, as shown:



Accept answers with missing or incorrect units.

[1]

Q11.

Award **TWO** marks for the correct answer of 1.05 kg.

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:

■ 12 ÷ 4 = 3

350 × 3 = 1050

 $1050 \div 1000 = \text{wrong answer}$

Do not accept 1050 g Accept for **ONE** mark 10.5 or 105 as evidence of appropriate working. Working must be carried through to reach an answer for the award of **ONE** mark.

Up to 2m

Q12.

Award TWO marks for the correct answer of 12.5

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

• 250 ÷ 20

OR

20 km is 1 cm
100 km is 5 cm
50 km is 2.5 cm
5 cm + 5 cm + 2.5 cm

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

Do not accept incorrect proportions in any step without evidence of the calculation performed.

Up to 2m

[2]

Q13.

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 × 1,000 = 2,600
- 2,600 ÷ 65 =
- 2.6 ÷ 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 ÷ 65 =
- 2.6 kg ÷ 65 g

Up to 2m

Q14.

Award **TWO** marks for three boxes completed correctly as shown:

60 months =	5	years
72 hours =	3	days
84 days =	12	weeks

If the answer is incorrect, award **ONE** mark for two boxes completed correctly.

Up to 2m

Q15.

Award TWO marks for the correct answer of 1,408

OR

for an answer in the range of 1,406 to 1,409 inclusive.

If the answer is incorrect, award **ONE** mark for:

• sight of 1,392

OR

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• evidence of an appropriate method, e.g.

- $24 \times 583 = answer$
 - Within an appropriate method, if a decimal equivalent for $\overline{3}$ is given, it must be rounded or truncated to at least 2 decimal places.
- $24 \times 58 = 1,394$ (error) $\frac{2}{3}$ of 24 = 16 1,394 + 16 = answer $\frac{176}{2}$
- 24 × 3 = answer

• 24 × 58.67 = answer.

A final answer is required for the award of **ONE** mark.

Up to 2m

[2]

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