

1. Complete the calculation.

$$1,000 \times 416 = 10 \times \boxed{\phantom{00000}}$$

1 mark

2. Put **brackets** into this expression to make it correct.

$$10^2 \div 10 \div 10 \div 10 \div 10 = 100$$

1 mark

3. Write the missing number to make this addition correct.

$$400,000 + \boxed{\phantom{00000}} + 70 = 430,070$$

1 mark

4. Emma has a 5 litre bag of compost.



She uses 2.75 litres.

How much compost does Emma have left?

litres

1 mark

**5.** There are 432 places at a dance school.

There are two age groups.

This table shows the number of classes and the number of pupils in each class for each age group at the moment.

Age in years	Number of classes	Number of pupils in each class
7-12	15	16
13-18	10	18

How many **more** pupils can join the dance school?

Show your method

2 marks

6.

Amina posts three large letters.

The postage costs the same for each letter.

She pays with a £ 20 note.

Her change is £14.96

What is the cost of posting **one** letter?

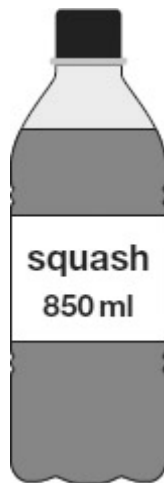
Show your method

£
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2 marks

7.

This 850 ml bottle of squash makes 17 drinks.



How many millilitres of squash are in each drink?

ml
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1 mark

8.

One tonne is 1,000 kilograms.

A truck can carry a load of 2.3 tonnes.

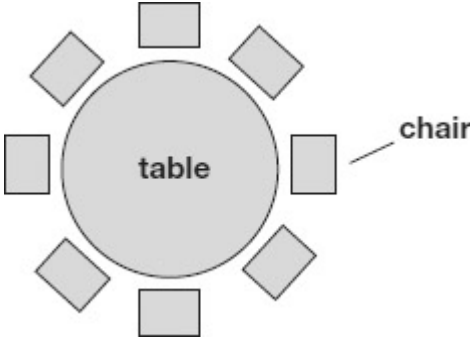
How many **kilograms** can the truck carry?

kg

1 mark

9.

One table can seat 8 people.



How many tables are needed to seat 40 people?

tables

1 mark

## Mark schemes

1. 41,600

[1]

2. Brackets inserted correctly, eg

$$10^2 \div (10 \div 10) \div (10 \div 10) = 100$$

**OR**

$$10^2 \div [(10 \div 10) \div 10] \div 10 = 100$$

**OR**

$$(10^2 \div 10) \div [(10 \div 10) \div 10] = 100$$

**OR**

$$10^2 \div \{10 \div [10 \div (10 \div 10)]\} = 100$$

**OR**

$$10^2 \div [10 \div (10 \div 10) \div 10] = 100$$

**OR**

$$10^2 \div [10 \div 10 \div (10 \div 10)] = 100$$

*Accept alternative placing of brackets provided the original expression is unchanged and the answer is mathematically correct.*

[1]

3. 30,000

[1]

4. 2.25

*Refer to the additional guidance on marking answers involving measures.*

[1]

5. Award **TWO** marks for the correct answer of 12

If the answer is incorrect, award **ONE** mark for evidence of an appropriate complete method with no more than one arithmetic error, e.g.

- $16 \times 15 = 210$  (*error*)  
 $10 \times 18 = 180$   
 $210 + 180 = 390$   
 $432 - 390 = 42$

**OR**

Award **ONE** mark for sight of 420 (as evidence of the sum of the two correct products).

*Misreads are **not** allowed.*

Up to 2m

[2]

**6.**

Award **TWO** marks for the correct answer of £1.68

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

- $20 - 14.96 = 5.04$   
 $5.04 \div 3$

*Accept for **ONE** mark an answer of £168 OR £168p as evidence of an appropriate method.*

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

Up to 2m

[2]

**7.**

50

[1]

**8.**

2,300

[1]

**9.**

5

[1]