

Mark schemes

1.

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:

■ $12 \div 4 = 3$

$$350 \times 3 = 1050$$

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

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

[2]

2.

525

! Measures

2

or

175 seen (*the weight of the elephant*)

OR

Shows or implies a complete correct method, eg:

• $\frac{700}{4} = 170$ (*error*)

$$170 \times 3$$

1

[2]

3.

Masses in order, as shown:

$$\frac{1}{2} \text{ kg}$$

800 g

2 kg

1 tonne

Accept answers with missing or incorrect units.

[1]

4.

Award **TWO** marks for all three values correct as shown:

banana

2cm 20cm 2mm 2m 20m

apple

2g 20kg 200kg 200g 2kg

fruit juice

2ml 2l 20ml 200ml 20l

If the answer is incorrect, award **ONE** mark for two correct measurements.

Accept alternative unambiguous indications, eg correct value filled in.

Up to 2m

[2]

5.

Box ticked as shown:

4 millilitres

20 millilitres

120 millilitres

220 millilitres

420 millilitres

Accept any other clear way of indicating the approximate amount, such as a cross.

[1]

6.Award **TWO** marks for the correct answer of 40If 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]**7.**

125

[1]**8.**Award **TWO** marks for the correct answer of 30If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- $1.25\text{kg} - 1.1\text{kg} = 0.05\text{kg}$ (error)
 $1100\text{g} - 920\text{g} = 180\text{g}$
 $180 - 50 = 130\text{g}$

ORAward **ONE** mark for the correct weight of the banana and the orange, e.g.0.15(kg) **AND** 180(g)*Accept for **TWO** marks 0.03kg for final answer in working and the answer box blank **OR** 0.03 in the answer box where the grams has been replaced with kilograms.**Accept for **ONE** mark 0.03 (g) in the answer box **OR** as the final answer in working and answer box blank.**Answer need not be obtained for the award of **ONE** mark.**Any conversion of units must be correct.****Do not** award the mark for a method that contains an incorrect conversion, e.g.*

- $1.25 - 1.1 = 0.16$ (error)
- $1100 - 920 = 180$
- $180 - 16$ (conversion error)

Up to 2m

[2]**9.**

125

[1]

10. 250

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

[1]

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

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

$$6 \text{ litres} = 6000 \text{ ml}$$

$$6000 \text{ ml} \div 500 \text{ ml}$$

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

Up to 2

[2]

12. Award **TWO** marks for the correct answer of 3.75

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

- $60 \div 4 = 15$
- $250 \times 15 = 3750$
- $3750 \text{ ml} \div 1000 =$

OR

- $250 \div 4 = 62.5 \text{ ml per second}$
- $62.5 \times 60 = 3750$
- $3750 \text{ ml} \div 1000 =$

OR

- $60 \div 4 = 15$, so there are 15 lots of 4 seconds in 1 minute so there are 15 bottles per minute.
- There are 4 bottles in 1 litre
- $15 \div 4 =$

*Accept for **TWO** marks, 3,750 ml for final answer in working and the answer box blank **OR** 3,750 in the answer box where the litres has been replaced with millilitres.*

*Accept for **ONE** mark 3,750 litres (l) in the answer box **OR** the final answer in working and answer box blank.*

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

Up to 2m

[2]

13.

Award **TWO** marks for a correct answer of 275

OR

an answer in the range from 270 to 280 inclusive.

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

- $150 + 175 = 325$
 $600 - 325 =$

OR

- $600 - 150 - 165$ (*error*) =

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

Accept a reading in the range 170 to 180 ml inclusive for the second jug.

*At least one of the measurements must be correct for the award of **ONE** mark.*

Up to 2m

[2]

14.

68 (ml) **OR** 0.068 (l)

***Do not** accept incorrect units, e.g. 68 l **OR** 0.068 ml.*

[1]