

Q1.

There are 90 children in Year 6 at Woodland Junior School.

They are split into three classes.

Class	Number in class
6M	27
6P	33
6T	30

Each child chose football **or** netball **or** hockey.

In **6M**, 13 children chose hockey.

The rest of the class were split equally between football and netball.

In **6P**, 9 children chose netball.

Twice as many children chose football as chose hockey.

In **6T**, the ratio of children who chose football to netball to hockey was 1:2:3

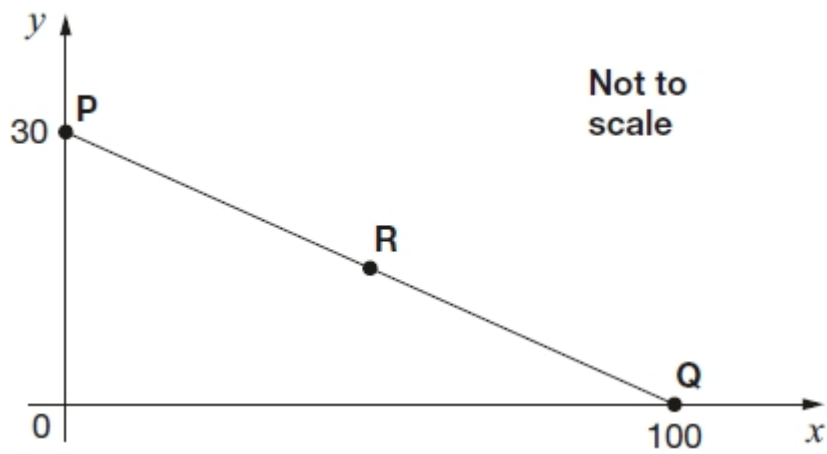
Complete this table.

Class	Number in class	Football	Netball	Hockey
6M	27			13
6P	33		9	
6T	30			

2 marks

Q2.

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



What are the coordinates of **R**?

R =

1 mark

Q7.

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?

Show your method

£

2 marks

Seb buys some cottage cheese for £1.35.

How many grams of cottage cheese does he get?

g

1 mark

Q8.

Amina planted some seeds.

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

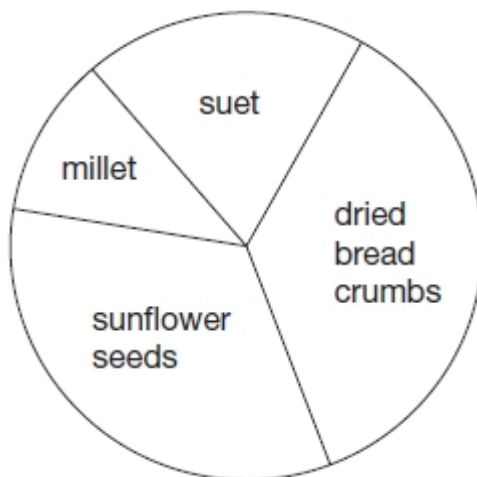
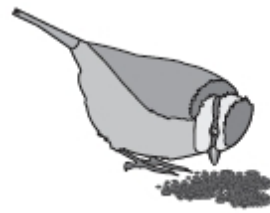
Altogether, 12 seeds grew.

How many seeds did Amina **plant**?

1 mark

Q9.

This pie chart shows the ingredients to make a food mixture for wild birds.



Estimate the **percentage** of mixture that is suet.

 %

1 mark

Mina uses 100 grams of millet in the mixture.

Estimate how many grams of sunflower seeds she should use.

 g

1 mark

Q1.

Completes all 7 entries in the table correctly, ie:

	No.	Football	Netball	Hockey
6M	27	7	7	13
6P	33	16	9	8
6T	30	5	10	15

2

or

Completes the first two rows (6M & 6P) correctly

OR

Completes the third row (6T) correctly

1

[2]**Q2.**

(50, 15)

[1]**Q3.**

9.6 or equivalent, eg:

- 9.60

! Measures

2

or

Shows or implies the correct scale factor, eg:

- $\times 3$ seen
- $13.5 \div 4.5 = 3$
- $3.2 + 3.2 + 3.2$
- $1 : 3$

OR

Shows the digits 96

OR

Shows or implies a complete correct method, eg:

- $13.5 \div 4.5 \times 3.2$
- $$4.5 \overline{) 13.5} \begin{array}{r} 2.10 \text{ (error)} \\ \underline{9.0} \\ 4.5 \\ \underline{4.5} \\ 0 \end{array}$$

$$3.2 \times 2.10 = 6.4 \text{ (error)}$$

1

[2]

Q4.

Award **TWO** marks for the correct answer of 80

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

- $60 \div 3 = 20$
 20×4

OR

- 3 red 4 white
30 red 40 white
60 red...

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

Up to 2

[2]

Q5.

Award **TWO** marks for the correct answer of 24

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

- $18 \div 3 \times 4 =$ wrong answer

OR

- $18 \div 3 = 6$
 $6 + 18 =$ wrong answer

*Working must be carried through to reach an answer for the award of **ONE** mark.*

OR

- a 'trial and improvement' method, eg
 $18 \text{ girls} + 14 \text{ boys} = 32 \quad 32 \div 4 = 8$
 $18 \text{ girls} + 10 \text{ boys} = 28 \quad 28 \div 4 = 7$
 $18 \text{ girls} + 4 \text{ boys} = 22 \quad 22 \div 4 =$

*A 'trial and improvement' method must show evidence of improvement, but a final answer need not be reached for the award of **ONE** mark.*

Up to 2
U1

[2]

Q6.

525

or

175 seen (*the weight of the elephant*)

OR

Shows or implies a complete correct method, eg:

- $$\frac{700}{4} = 170 \text{ (error)}$$

$$170 \times 3$$

1

[2]

Q7.

(a) Award **TWO** marks for the correct answer of £2.63

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

$$82p \times 2 = 164p$$

$$66p + 33p = 99p$$

$$164p + 99p = \text{wrong answer}$$

*Accept for **ONE** mark £263 **OR** £263p as evidence of appropriate working.*

*Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2

(b) 300

1

[3]

Q8.

18

*Accept 18:12 **OR** 12:18*

[1]

Q9.

(a) Answer in the range 15% inclusive to 25% exclusive

Do not accept 25%

1

(b) Answer in the range 200 g to 400 g exclusive

Do not accept 200 g **OR 400 g.**

1

[2]