Please check the examination details below before entering your candidate information

Candidate surname	Other names

Centre Number | Candidate Number

Pearson Edexcel International Award in Primary

Time 1 hour

Paper reference **JMA11/01**

Mathematics

Year 6
Achievement Test

You must have:
Ruler graduated in centimetres and millimetres, pen, HB pencil, eraser, protractor, compasses. Tracing paper may be used.

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
  – *there may be more space than you need.*

Information

- The total mark for this paper is 60
- The marks for **each** question are shown in brackets
  – *use this as a guide as to how much time to spend on each question.*
- Candidates may **NOT** use a calculator.

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ▶

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P 7 1 4 2 1 A 0 1 2 4

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SECTION A

Answer ALL questions. Write your answers in the spaces provided.

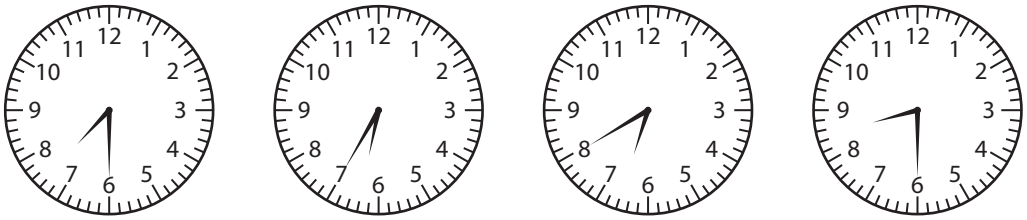
In Section A put a cross in one box ☒ to indicate your answer. If you change your mind, put a line through the box ☒ and then put a cross in another box ☒.

1 Which of these numbers is in both the 3 times table and the 5 times table?

9	25	30	35
☒	☒	☒	☒

(Total for Question 1 is 1 mark)

2 Which clock face represents this digital time?



☒ ☒ ☒ ☒

(Total for Question 2 is 1 mark)

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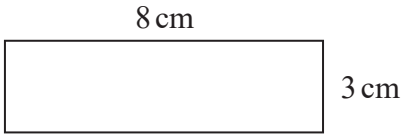
3 This rectangle has length 8 cm and width 3 cm.

What is the area of the rectangle?



11 cm^2	22 cm^2	24 cm^2	48 cm^2
☒	☒	☒	☒

(Total for Question 3 is 1 mark)

4 Aliya and Haris collected data about the vehicles that passed their school.

They recorded their results in this sorting table.

	Blue	Not blue
Lorry	6	14
Not lorry	8	20

How many blue lorries passed the school?

6	8	14	20
☒	☒	☒	☒

(Total for Question 4 is 1 mark)

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5 What is 0.38 m equal to?

38 mm	38 cm	380 cm	3800 cm
☒	☒	☒	☒

(Total for Question 5 is 1 mark)

6 Work out

30% of 70

7	21	35	49
☒	☒	☒	☒

(Total for Question 6 is 1 mark)

7 The rule for this number sequence is

subtract 1 and multiply by 3

☐	6	15	42	123

What is the missing number in this sequence?

−3	1	2	3
☒	☒	☒	☒

(Total for Question 7 is 1 mark)

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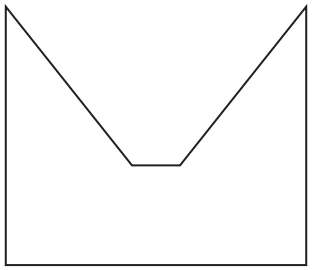
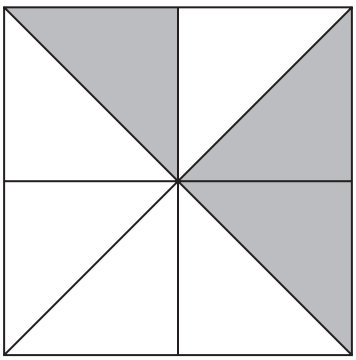
8 What is the name of this irregular shape?



Heptagon ☒ Hexagon ☒ Octagon ☒ Pentagon ☒

(Total for Question 8 is 1 mark)

9 This square is divided into equal sections.



What fraction of the shape is shaded?

$\frac{3}{8}$ ☒ $\frac{3}{5}$ ☒ $\frac{5}{8}$ ☒ $\frac{5}{3}$ ☒

(Total for Question 9 is 1 mark)

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10 In a sports shop tennis balls cost $0.66 each.

How much would 3 tennis balls cost?

$0.22	$0.99	$1.32	$1.98
☒	☒	☒	☒

(Total for Question 10 is 1 mark)

11 What is 43 527 rounded to the nearest hundred?

43 000	43 500	43 600	44 000
☒	☒	☒	☒

(Total for Question 11 is 1 mark)

12 What is the range of this set of numbers?

13 2 14 9 7 4 7

6	7	8	12
☒	☒	☒	☒

(Total for Question 12 is 1 mark)

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13 Calculate

$$43.4 - 2.03$$

23.1	41.37	41.43	45.43
☒	☒	☒	☒

(Total for Question 13 is 1 mark)

14 Estimate

$$3247 - 475$$

2700	2772	2800	2900
☒	☒	☒	☒

(Total for Question 14 is 1 mark)

15 Which of these is both a square number and a cube number?

9	36	64	125
☒	☒	☒	☒

(Total for Question 15 is 1 mark)

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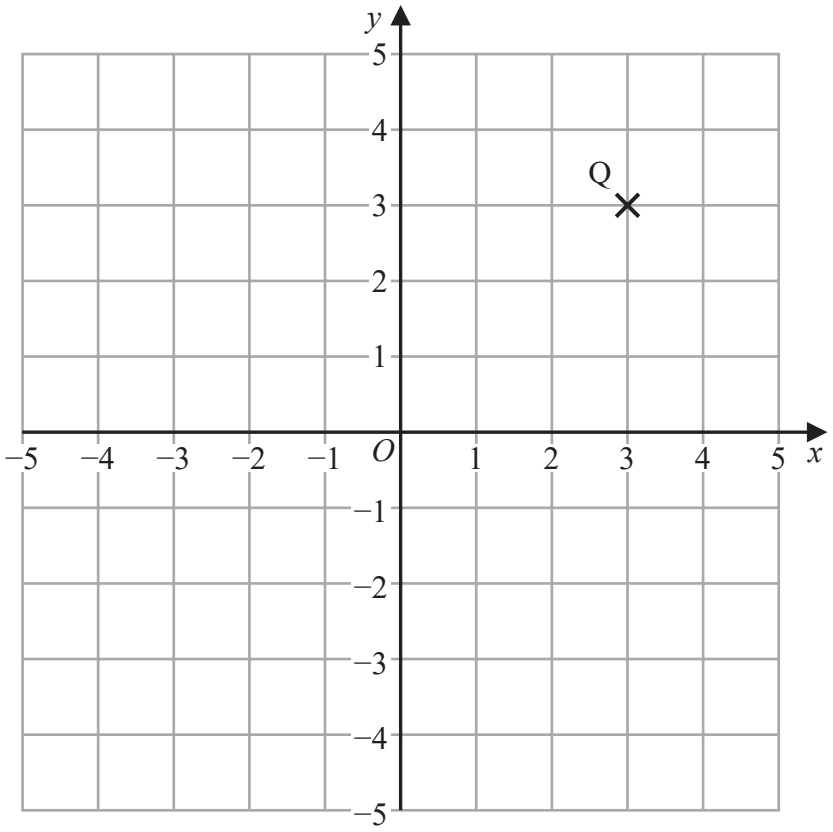
16



Point Q is marked on the coordinate grid.

Point Q is reflected in the x-axis to give point R

What are the coordinates of point R?

(3, 3) ☒ (−3, 3) ☒ (−3, −3) ☒ (3, −3) ☒

(Total for Question 16 is 1 mark)

17 Expand this expression

$$3(2e - f)$$

$2e - 3f$ ☒ $5e - 3f$ ☒ $6e - f$ ☒ $6e - 3f$ ☒

(Total for Question 17 is 1 mark)

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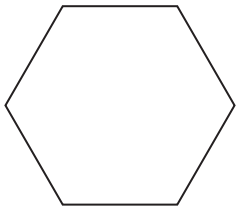
18 What is

$$\frac{3}{5} \text{ of } 540\,\text{g}$$

108 g	180 g	324 g	900 g
☒	☒	☒	☒

(Total for Question 18 is 1 mark)

19 How many lines of symmetry does this regular hexagon have?



1	3	4	6
☒	☒	☒	☒

(Total for Question 19 is 1 mark)

20 Find the value of

$$3e - 4f - g$$

when $e = 8,\ f = 7,\ g = 11$

−22	−15	7	41
☒	☒	☒	☒

(Total for Question 20 is 1 mark)

TOTAL FOR SECTION A IS 20 MARKS

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SECTION B

Answer ALL questions.

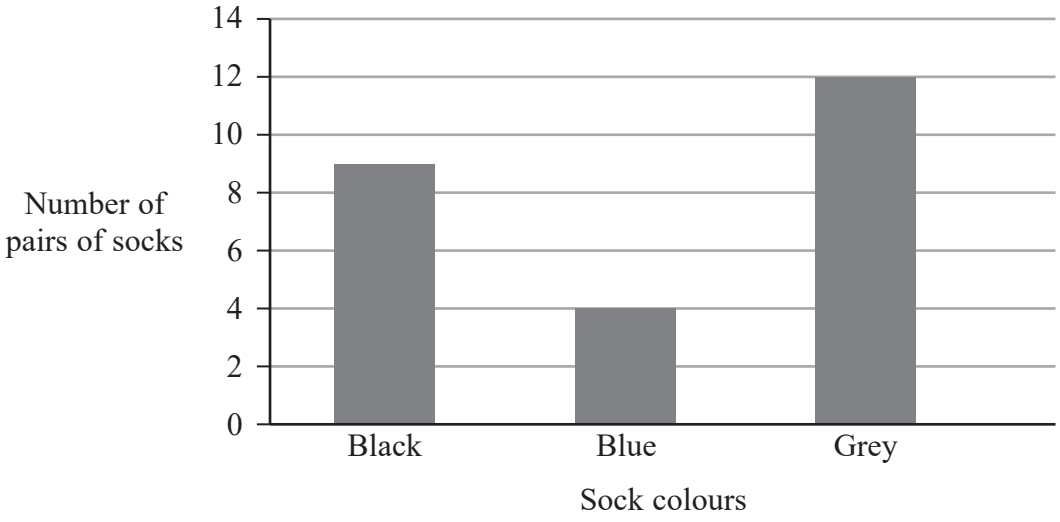
21 Caleb made a tally chart of his sock colours and used it to create a bar chart.

He spilled a drink on the tally chart and part of it now cannot be read.

Caleb had 25 pairs of socks.

Sock colour	Tally	Total
Black		
Blue		
Grey		

Complete the tally chart with the missing information from the bar chart below.



(Total for Question 21 is 2 marks)

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22 (a) Write these numbers in order of size.

Start with the smallest.

(i)

247 608 87 134

....

smallest

(1)

(ii)

5 −6 8 −2 −9

....

smallest

(1)

(b) Convert all of these to decimals before ordering.

$\frac{1}{4}$ 20% 0.35 $\frac{3}{4}$ 0.5

....

smallest

(2)

(Total for Question 22 is 4 marks)

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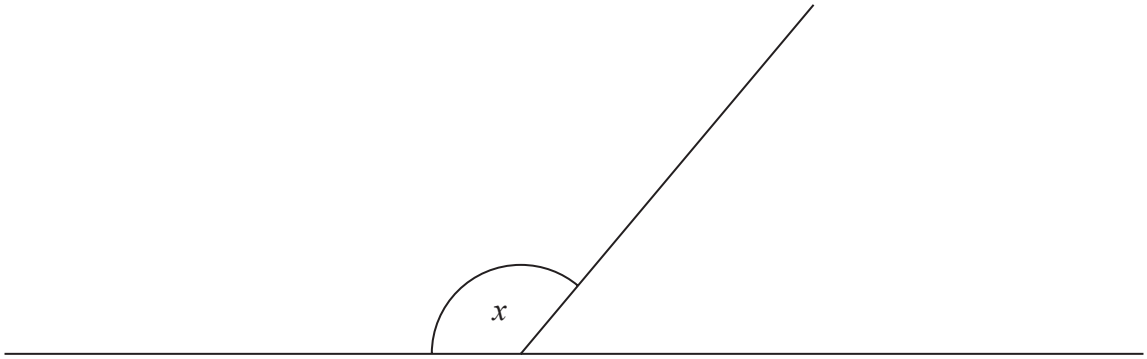
23 (a) Measure the size of angle x



x = ... °

(1)

(b) Measure the length of line RS

Give your answer in mm.

R ——————————————— S

RS = ... mm

(1)

(Total for Question 23 is 2 marks)

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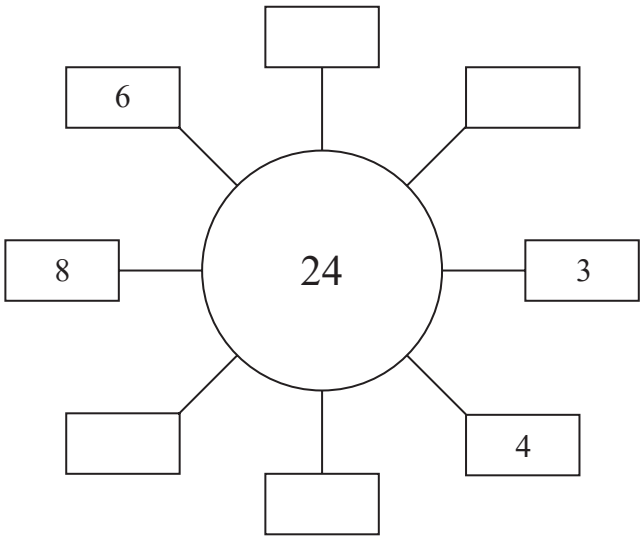
24 (a) John wanted to find all of the factors of 24

Fill in the boxes with the missing factors.



(1)

(b) List all of the factors of 16

.....

(1)

(c) What is the highest common factor (HCF) of 24 and 16?

.....

(1)

(Total for Question 24 is 3 marks)

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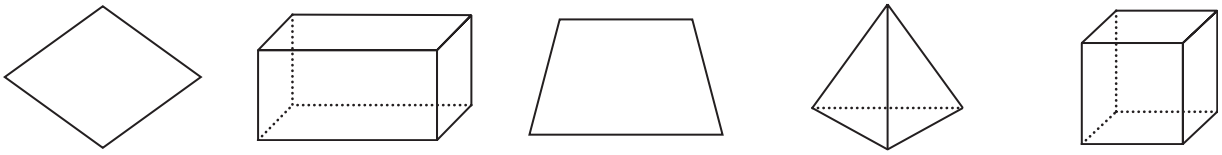
25 Here are some 2-D shapes and 3-D shapes.



A B C D E

(a) Write down the letter of the shape that is a tetrahedron.

.....

(1)

(b) How many edges does shape B have?

.....

(1)

(c) How many faces does shape D have?

.....

(1)

(d) What is the name of shape C?

.....

(1)

(Total for Question 25 is 4 marks)

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26 What is 32% of 150?

.....

(Total for Question 26 is 2 marks)

27 (a) Calculate

$$6 + 3 \times 4$$

.....

(1)

(b) Calculate

$$21 - (3 \times 5) \div 3$$

.....

(1)

(Total for Question 27 is 2 marks)

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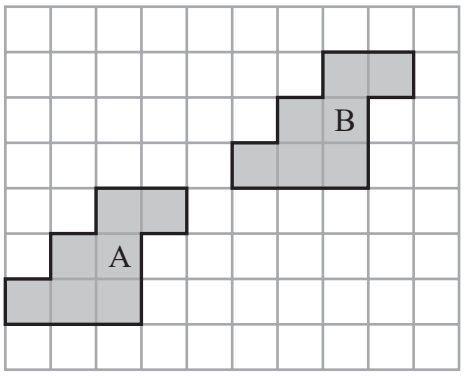
28 (a)



Shape A has been translated to produce shape B

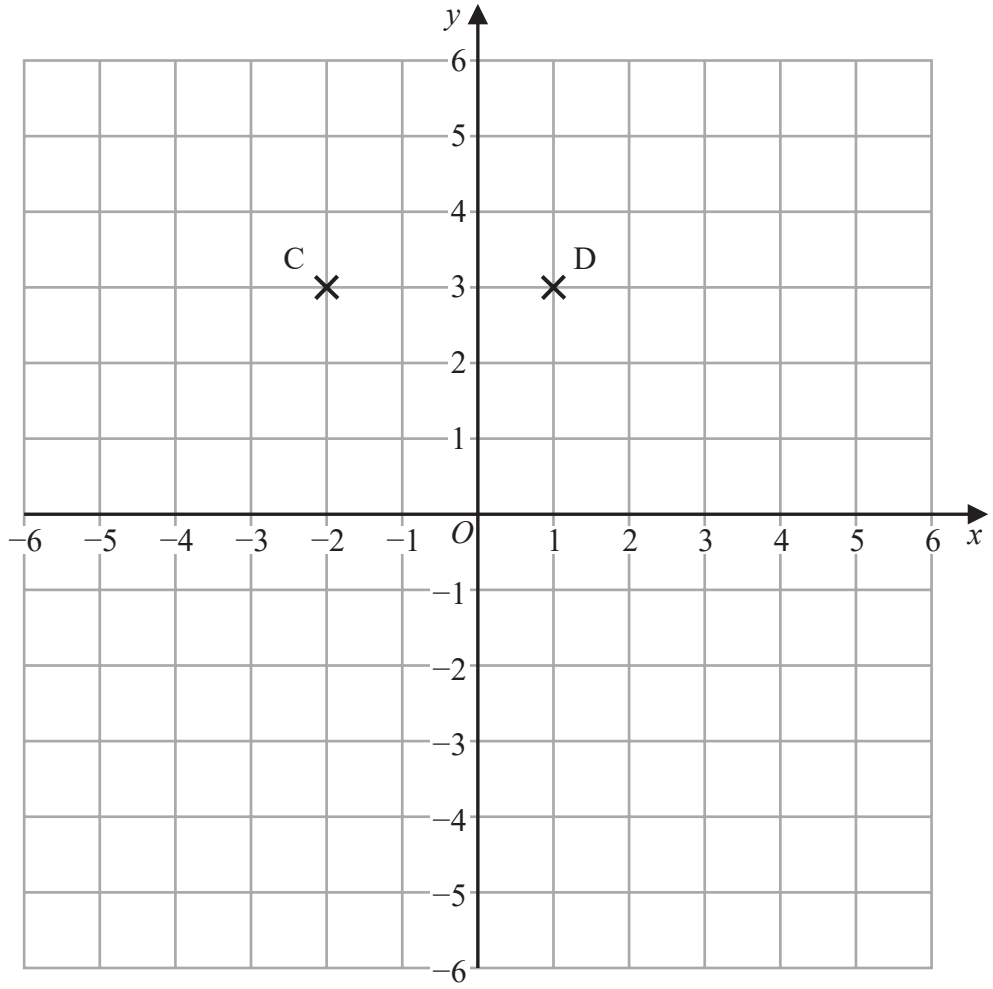
Describe this translation.

.....

.....

(2)

(b)



Point A and point B are missing from the grid.

Plot point A and point B so that ABCD is a square.

(1)

(Total for Question 28 is 3 marks)

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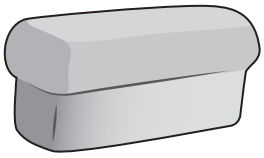
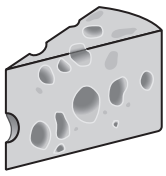
29 Tav needs to buy some bread, milk and cheese.



$1.20

$0.78



$2.53

(a) How much will it cost for Tav to buy all 3 items?

$ .....

(1)

(b) He pays with a $10 note.

How much change should he receive?

$ .....

(1)

(Total for Question 29 is 2 marks)

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30 Calculate

$$2384 \times 27$$

You must show your working.

.....

(Total for Question 30 is 2 marks)

31 Here are the numbers of hours of music played by a radio station on each day of last week.

15 10 14 6 8 9 15

(a) What is the median number of hours?

.....

(1)

(b) What is the mean number of hours?

.....

(1)

(Total for Question 31 is 2 marks)

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32 Calculate

$$5832 \div 18$$

You must show your working.

.....

(Total for Question 32 is 2 marks)

33 In a school the ratio of children to adults is 5 : 2

There are 112 adults in the school.

How many children are there in the school?

.....

(Total for Question 33 is 2 marks)

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34 (a) Expand and simplify

$$2(x - 3y) + 3(x + 3y)$$

.....

(2)

(b) Solve

$$3a - 5 = 4$$

$a =$ .....

(1)

(Total for Question 34 is 3 marks)

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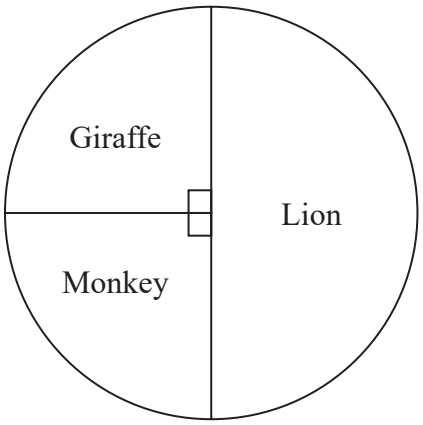
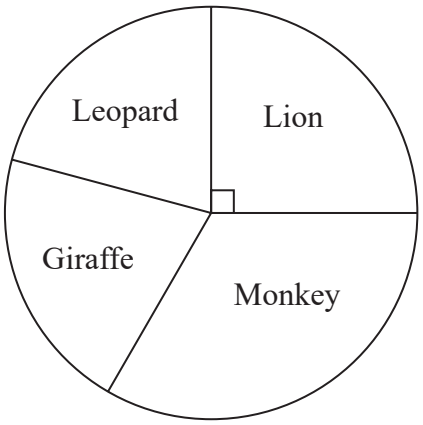
35 Jess did a survey of animals registered at two wildlife parks.

She presented her results in these two pie charts.



Sunny Hills Wildlife Park

120 animals



Long Ridge Wildlife Park

240 animals

(a) Jess says

"There are more lions at Sunny Hills Wildlife Park than there are at Long Ridge Wildlife Park."

Is Jess correct?

Yes ☐ No ☐

Explain how you know.

.....

.....

.....

(2)

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$\frac{1}{3}$ of the animals at Long Ridge Wildlife Park are monkeys.

There are the same number of leopards as there are giraffes at Long Ridge Wildlife Park.

(b) How many giraffes are there at Long Ridge Wildlife Park?

You must show your working.

..... giraffes

(3)

(Total for Question 35 is 5 marks)

TOTAL FOR SECTION B IS 40 MARKS
TOTAL FOR PAPER IS 60 MARKS

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