Please check the examination details below before entering your candidate information

Candidate surname	Other names

Pearson Edexcel International Award in Primary

Centre Number | Candidate Number

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. 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.
- Good luck with your examination.

Turn over ▶

P67182A

1/1/1/1/1/

P 6 7 1 8 2 A 0 1 2 0

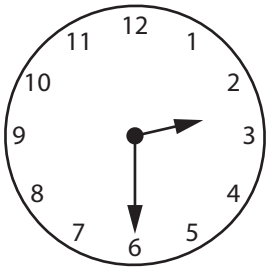
Pearson

SECTION A

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

Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

1 What time is showing on this clock?



2:30	3:30	6:10	6:15
☒	☒	☒	☒

(Total for Question 1 is 1 mark)

2 What does the 7 represent in this number?

62.37

Ones	Tens	Hundredths	Tenths
☒	☒	☒	☒

(Total for Question 2 is 1 mark)

3 Choose the word that can be used to describe the number

16

Odd	Prime	Cube	Square
☒	☒	☒	☒

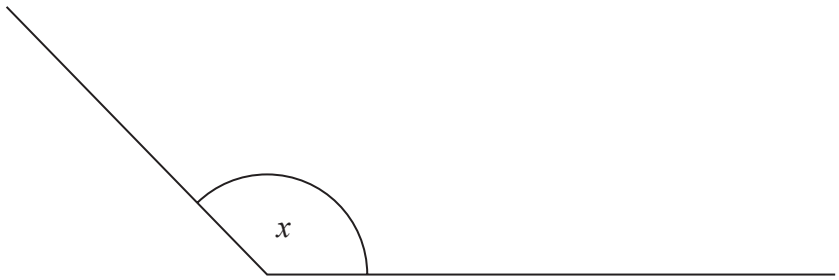
(Total for Question 3 is 1 mark)

4 Work out $\frac{1}{4}$ of 56

14	28	42	224
☒	☒	☒	☒

(Total for Question 4 is 1 mark)

5 What name is given to the angle marked x?



Acute	Reflex	Right angle	Obtuse
☒	☒	☒	☒

(Total for Question 5 is 1 mark)

6 Here is a set of test scores.

9 8 11 4 9 12 6

What is the range of these scores?

4	8	9	12
☒	☒	☒	☒

(Total for Question 6 is 1 mark)

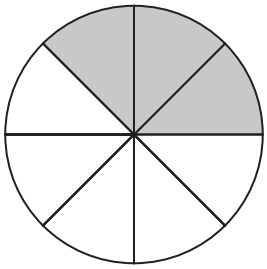
7 What is the next term in this sequence?

1, 3, 6, 10, 15, ...

18	20	21	25
☒	☒	☒	☒

(Total for Question 7 is 1 mark)

8 This circle is divided into equal sections.

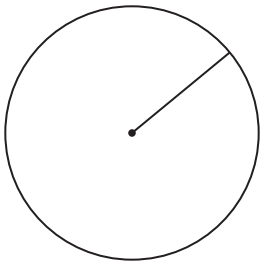


What is the ratio of shaded sections to unshaded sections?

3 : 8	5 : 8	3 : 5	5 : 3
☒	☒	☒	☒

(Total for Question 8 is 1 mark)

9 A straight line has been drawn from the centre to the edge of this circle.



What is the name of this line?

Arc	Circumference	Diameter	Radius
☒	☒	☒	☒

(Total for Question 9 is 1 mark)

10 Here is a sorting table.

	Multiple of 3	Not a multiple of 3
Multiple of 5	**A**	**B**
Not a multiple of 5	**C**	**D**

Which cell would 24 be in?

A ☒ **B** ☒ **C** ☒ **D** ☒

(Total for Question 10 is 1 mark)

11 Estimate

$16.35 – $7.83

$8 ☒ $9 ☒ $10 ☒ $24 ☒

(Total for Question 11 is 1 mark)

12 What is 3000 m equivalent to?

0.3 km ☒ 3 km ☒ 30 km ☒ 300 km ☒

(Total for Question 12 is 1 mark)

13 Zain has $27

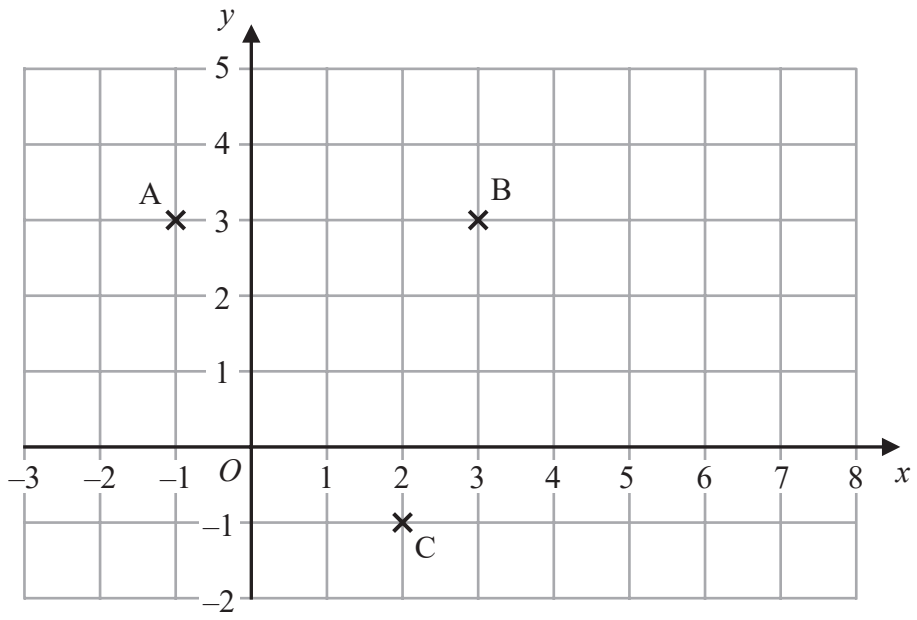
He keeps half for himself and shares the rest equally between his 3 brothers.

How much does each brother receive?

$4.50 ☒ $6.75 ☒ $9.00 ☒ $13.50 ☒

(Total for Question 13 is 1 mark)

14 Points A, B and C are plotted on the grid below.



Point D needs to be plotted to complete a parallelogram.

What could the coordinates of Point D be?

(–1 , 3)	(–1 , 6)	(3 , –1)	(6 , –1)
☒	☒	☒	☒

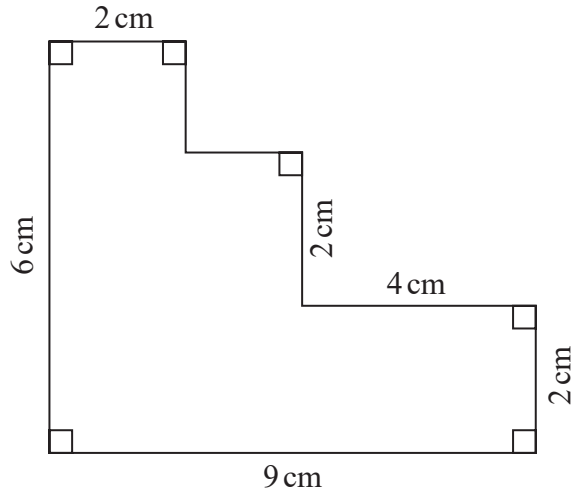
(Total for Question 14 is 1 mark)

15 What is 7358 rounded to the nearest hundred?

7000	7300	7400	8000
☒	☒	☒	☒

(Total for Question 15 is 1 mark)

16 What is the perimeter of this shape?



25cm ☒ 26cm ☒ 28cm ☒ 30cm ☒

(Total for Question 16 is 1 mark)

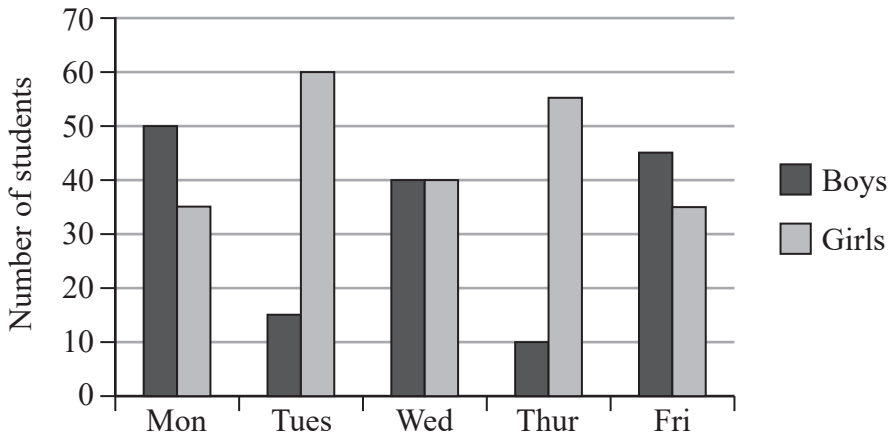
17 Simplify the expression

$$2x + 3y - x - 4y$$

$x - y$ ☒ $3x + 7y$ ☒ $9xy$ ☒ $2 - y$ ☒

(Total for Question 17 is 1 mark)

18 This dual bar chart shows how many boys and girls have school dinners each day from Monday to Friday.



On which day did the most students have school dinners?

Monday	Tuesday	Wednesday	Thursday
☒	☒	☒	☒

(Total for Question 18 is 1 mark)

19 Calculate

$$\frac{2}{3} + \frac{3}{5}$$

$2\frac{3}{8}$	$1\frac{6}{15}$	$\frac{5}{8}$	$1\frac{4}{15}$
☒	☒	☒	☒

(Total for Question 19 is 1 mark)

20 Solve the equation

$$4x - 8 = 28$$

$x = 5$	$x = 9$	$x = 80$	$x = 144$
☒	☒	☒	☒

(Total for Question 20 is 1 mark)

TOTAL FOR SECTION A IS 20 MARKS

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

SECTION B

Answer ALL questions.

21 This table shows the number of hours of sunshine each day for one week.

Day	Hours of sunshine
Monday	3
Tuesday	2
Wednesday	5
Thursday	4
Friday	6

Complete this pictogram to represent this information.

You must include a key.

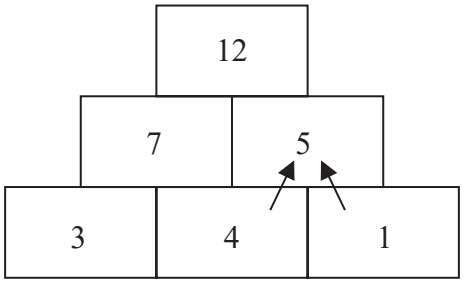
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

(Total for Question 21 is 3 marks)

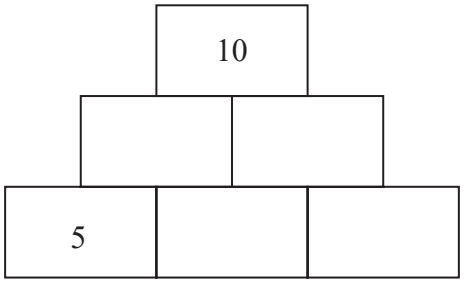
22 Here is a number pyramid.

To find the number in each brick add together the two bricks immediately below it.

e.g.



Using the same rule, complete this number pyramid.



(Total for Question 22 is 2 marks)

23 (a) Write ***six thousand, seven hundred and four*** in digits.

.....

(1)

(b) Write ***37415*** in words.

.....

.....

(1)

(Total for Question 23 is 2 marks)

24 Jaden is writing number sequences.

The rule he is using today is

subtract 1 then double

Fill in the missing numbers from these number sequences.

(a) 10 18 34 ☐ 130

(1)

(b) ☐ 8 14 26 50

(1)

(Total for Question 24 is 2 marks)

25 Saira has 0.75 kg of chocolate.

Andrew has 350 g of chocolate.

Janine has $\frac{1}{4}$ kg of chocolate.

How much chocolate do they have altogether?

Give units in your answer.

.....

(Total for Question 25 is 2 marks)

26 Circle all of the **square numbers**.

9 27

35

25

101

140

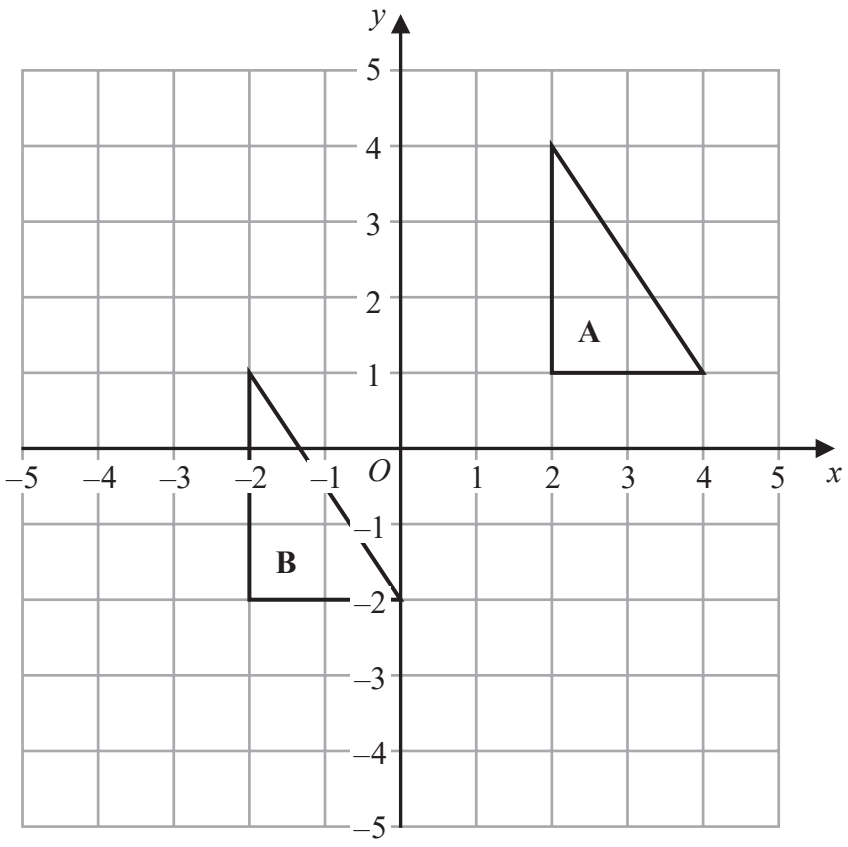
81

8 36

50

(Total for Question 26 is 2 marks)

27 Describe the translation of shape A to shape B.



.....

(Total for Question 27 is 2 marks)

28 Calculate

$$2304 \times 17$$

You must show your working.

.....

(Total for Question 28 is 2 marks)

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DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

29 (a) Work out the size of angle y.

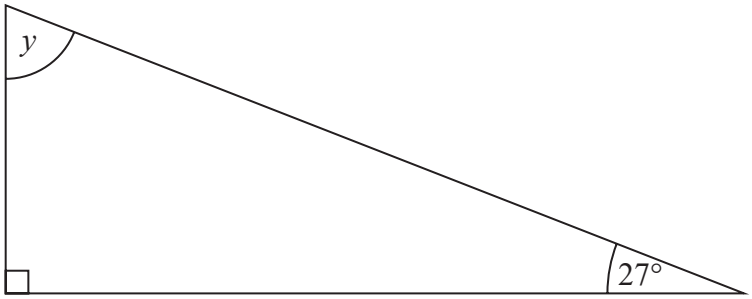


Diagram **NOT** accurately drawn

.....°

(1)

(b) Is this a right-angled triangle?

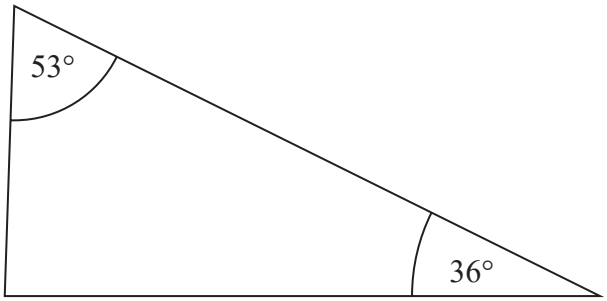


Diagram **NOT** accurately drawn

Yes ☐ No ☐

You must explain why.

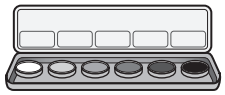
.....

.....

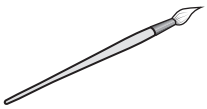
(1)

(Total for Question 29 is 2 marks)

30 In a shop paint pallets cost $2.35 and paint brushes cost $0.69



$2.35



$0.69

Sally has $15

She buys 2 pallets and 3 brushes.

How much money should Sally have left?

$ .....

(Total for Question 30 is 2 marks)

31 Hassan has only red cars and blue cars in the ratio 3 : 2

He has 155 cars in total.

How many blue cars does he have?

.....

(Total for Question 31 is 2 marks)

32 Calculate

(a) $\frac{1}{2} + \frac{3}{4}$

.....

(1)

(b) $\frac{1}{3} \times \frac{1}{4}$

.....

(1)

(c) $\frac{1}{5} \div 2$

.....

(1)

(Total for Question 32 is 3 marks)

33 Class 6 planted some seeds for a science experiment.

After 2 weeks they recorded the heights of the plants that had grown.

8 cm 11 cm 9 cm 14 cm 8 cm 11 cm 9 cm 12 cm 8 cm

(a) What is the mean height?

..... cm

(1)

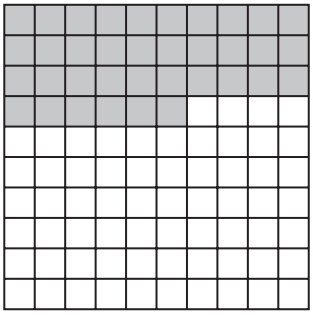
(b) What is the median height?

..... cm

(1)

(Total for Question 33 is 2 marks)

34 (a) What percentage of this shape is shaded?



.....%

(1)

(b) What is 47% written as a fraction?

.....

(1)

(c) Work out 10% of 50

.....

(1)

(d) Work out 15% of 180

.....

(1)

(Total for Question 34 is 4 marks)

35 Calculate

$$2556 \div 18$$

You must show your working.

.....

(2)

(Total for Question 35 is 2 marks)

---

36 (a) Expand

$$3(2a - b)$$

.....

(1)

(b) Find the value of the expression

$$4d - 6e + f$$

when $d = 4$, $e = 2$ and $f = 5$

.....

(2)

(Total for Question 36 is 3 marks)

---

37 Mr Jones needs to lay some grass in his garden.

There is a square flower bed in the centre of the garden, with sides 3 m.

There is a small rectangular shed in one corner.

The rest of the garden needs to be covered with grass.

What area of his garden does Mr Jones need to cover with grass?

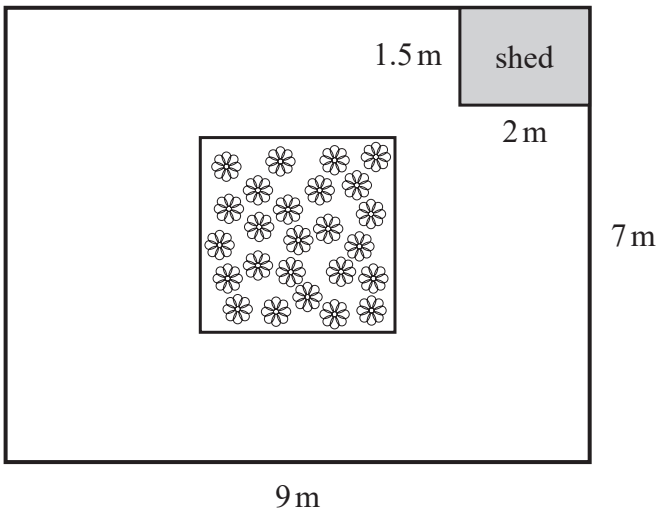


Diagram **NOT** drawn to scale

..... m^2

(Total for Question 37 is 3 marks)

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

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