



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
Cambridge International Primary Achievement Test

CANDIDATE
NAME

CENTRE
NUMBER

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CANDIDATE
NUMBER

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MATHEMATICS

0842/02

Paper 2

May/June 2007

45 minutes

Candidates answer on the Question Paper.

Additional Materials:

Pen
Pencil
Ruler

Protractor
Calculator

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces at the top of this page.

Write in dark blue or black pen.

DO **NOT** WRITE IN ANY BARCODES.

Answer **all** questions.

The number of marks is given in brackets [] at the end of each question or part question.

You should show all your working in the booklet.

For Examiner's Use	
Pages	Mark
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
Total	

This document consists of **16** printed pages.



4 Marek needs 20 m of rope to make a rope ladder.



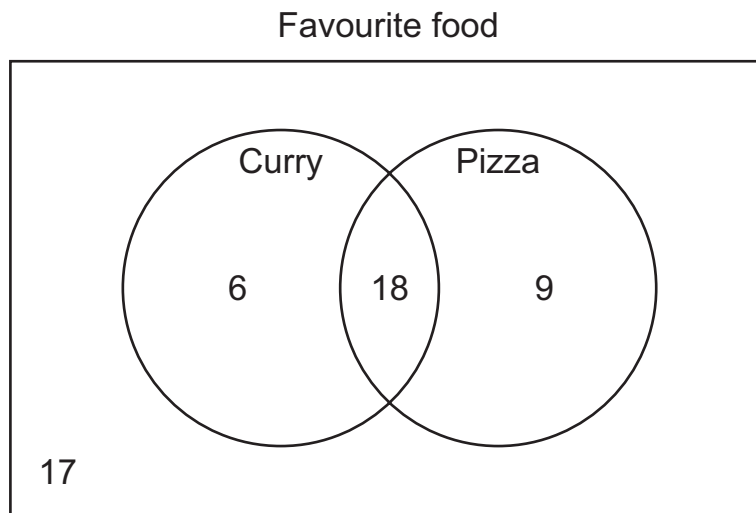
The rope costs \$2.75 per metre.

How much will 20 metres of rope cost?

\$ [1]

5 Ashok did a survey on favourite food.

His results are shown in this Venn diagram.



How many children chose Curry as their favourite food?

..... [1]

Page Total

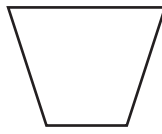
6 Which of these shapes has only one line of symmetry?



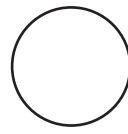
a



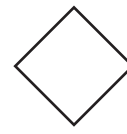
b



c



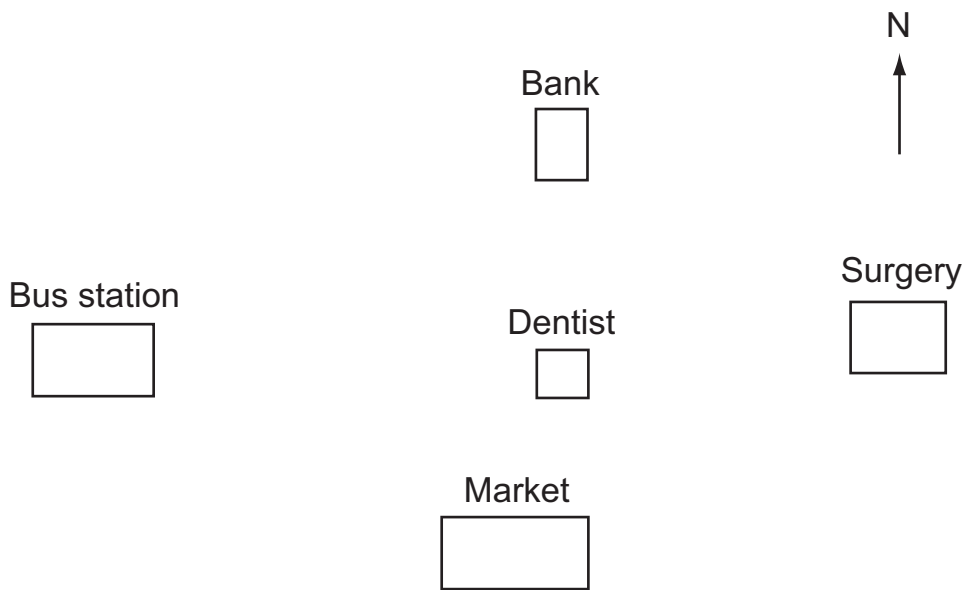
d



e

..... [1]

7 Lilia walks from the dentist to the bus station.



In which direction does she walk?

..... [1]

Page Total

8 Farah and her mother go shopping.

Farah’s mother says, “It’s half past nine. I’ll meet you here at eleven forty-five.”

How much time did Farah have to shop?

..... [1]

9 What is the value of the 7 in 21.87?

Underline the correct answer.

Tenths

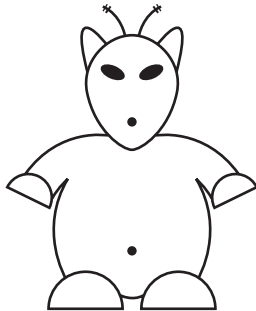
Units

Hundredths

Tens

[1]

10 Syed packs 175 toy aliens into boxes.



He has 9 boxes.

He packs the same number of aliens into each box.

(a) How many aliens are in each box?

..... [1]

(b) How many are left over?

..... [1]

Page Total

11 Manjula buys new furniture for her bedroom.

<u>Manjula's furniture</u>	
Bed	\$149.50
Mattress	\$85.49
Shelves	\$34.99
Desk	\$55
Chair	\$49.99

(a) How much does she pay altogether?

\$ [1]

(b) The shop offers her a 10% discount on the total cost.

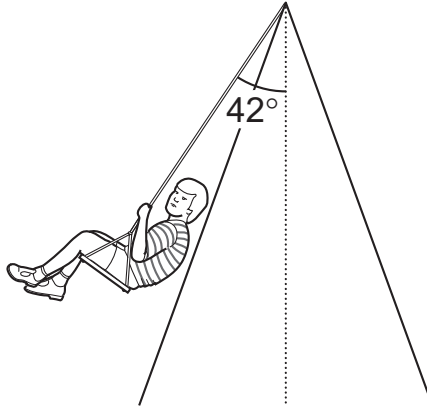
How much money does she save, rounded to the nearest cent?

\$ [1]

Page Total

12 Kyere is on his swing.

The angle increases by 3° every time the seat swings.



The seat is now at an angle of 42° from vertical.

(a) How many times has the seat swung?

..... [1]

Kyere stops going higher after 13 more swings.

(b) What angle is the swing at now?

.....^o [1]

Page Total

13 Oscar asks some friends about music and film.

He puts his results in a Carroll diagram.

Favourite Types	Rock music	Disco music
Comedy films	7	12
Action films	6	3

(a) How many children like rock music?

..... [1]

(b) How many more children prefer comedy films to action films?

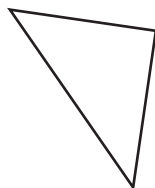
..... [1]

14 Which of these triangles is equilateral?

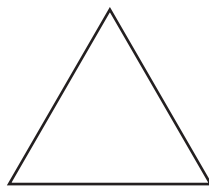
Underline your answer.



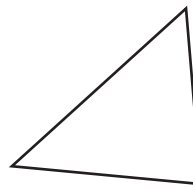
a



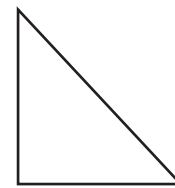
b



c



d

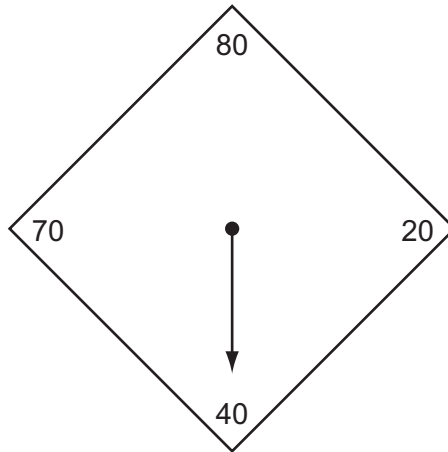


e

[1]

Page Total

15 Hini spins a spinner.
It points to 40.

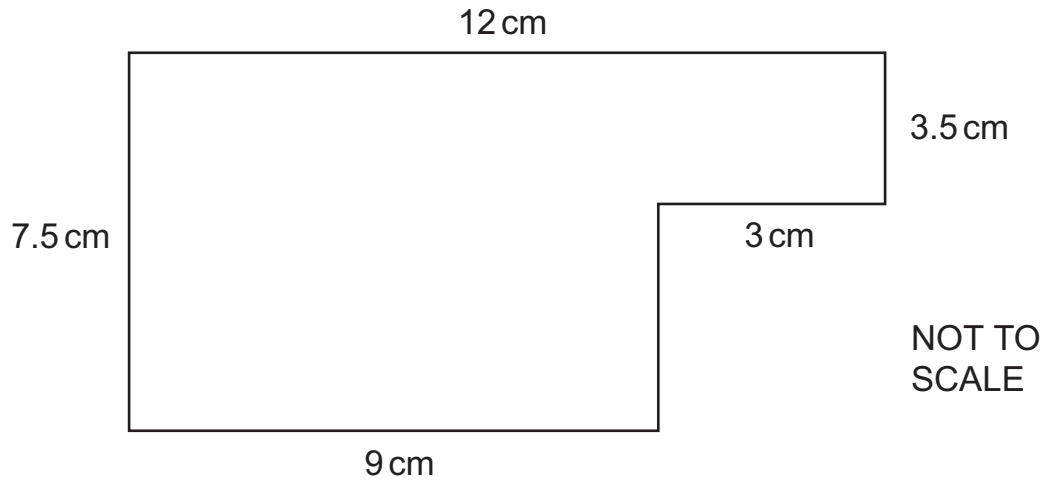


Where will it point after it turns anticlockwise one right angle?

..... [1]

Page Total

16 (a) Look at this shape.



What is the perimeter of the shape?

..... cm [1]

(b) What is the area of the shape?
Give your answer with the correct units.

..... [2]

17 Put these fractions in order from the largest to the smallest.

$\frac{2}{5}$

$\frac{4}{5}$

$\frac{2}{10}$

$1\frac{3}{5}$

$\frac{5}{10}$

largest

smallest

[1]

Page Total

18 Complete this table.

Fraction	Decimal
$\frac{1}{5}$	
	0.40
$\frac{4}{5}$	0.80

[2]

19 Use your calculator to do this calculation.

$$(46 \times 98) + (32 \times 61) =$$

[1]

20 (a) Finish this number sequence.

2 3 5 8 13 21 _____

[1]

(b) Explain how you worked out the answer.

.....

.....

[1]

Page Total

21 Aneesa can pick 7 boxes of strawberries in 30 minutes.
Joshua can pick 5 boxes of strawberries in 30 minutes.

They both pick strawberries for 2 hours.

How many more boxes has Aneesa picked than Joshua?

..... boxes [1]

22 Kerry plays golf for seven days.



Here are her scores:

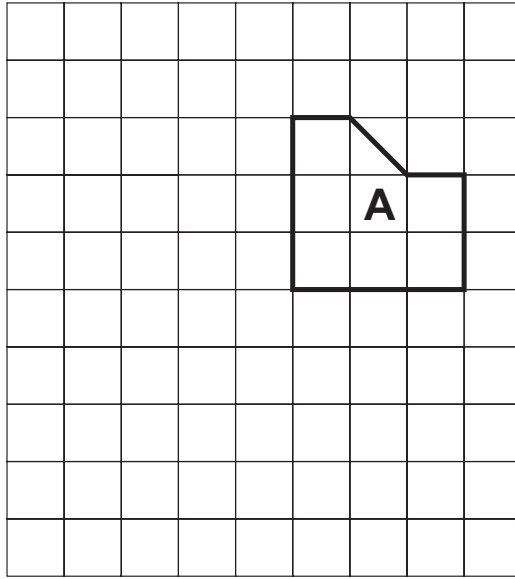
- 79
- 81
- 76
- 73
- 80
- 77
- 80

What is Kerry's mean score?

..... [1]

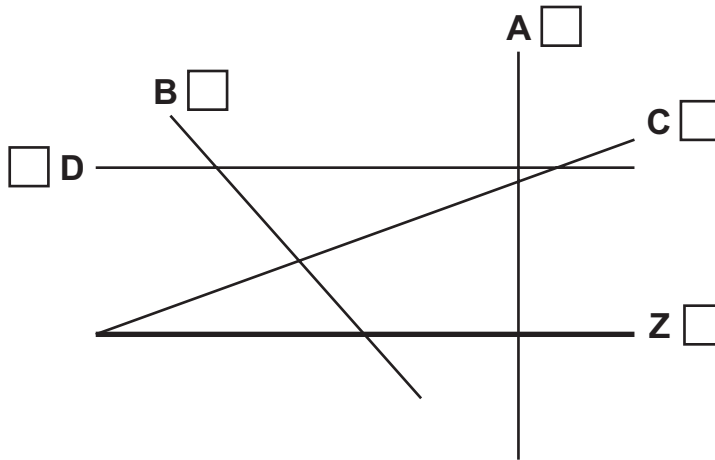
Page Total

23 Draw shape A after a translation of $(-4, -4)$.
 (4 squares to the left and 4 squares down)



[1]

24 Put a tick (\checkmark) by the line that is perpendicular to Z.

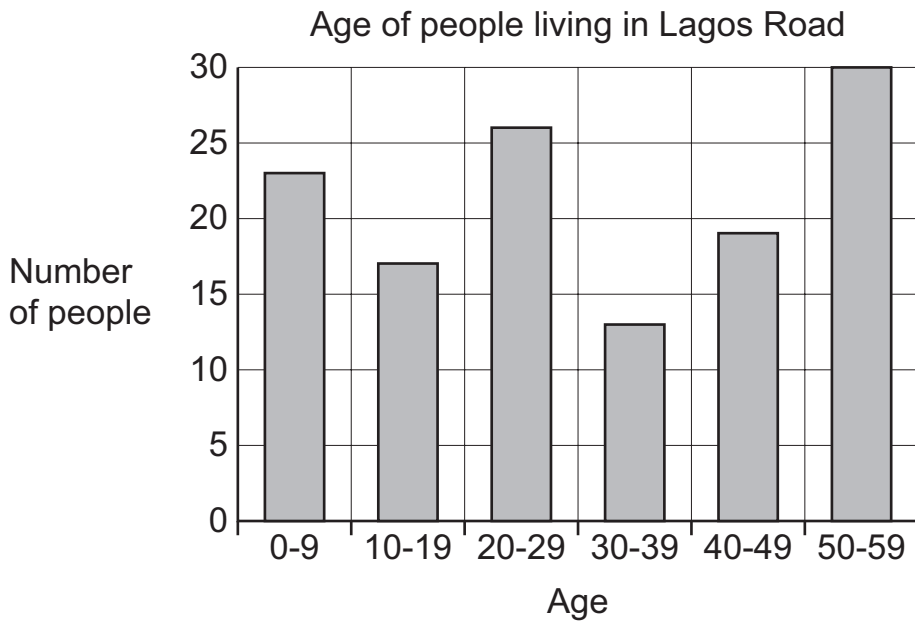


[1]

Page Total

25 Byama does a survey of people's ages.

The results are shown on this graph.



(a) How many people are under 10 years old?

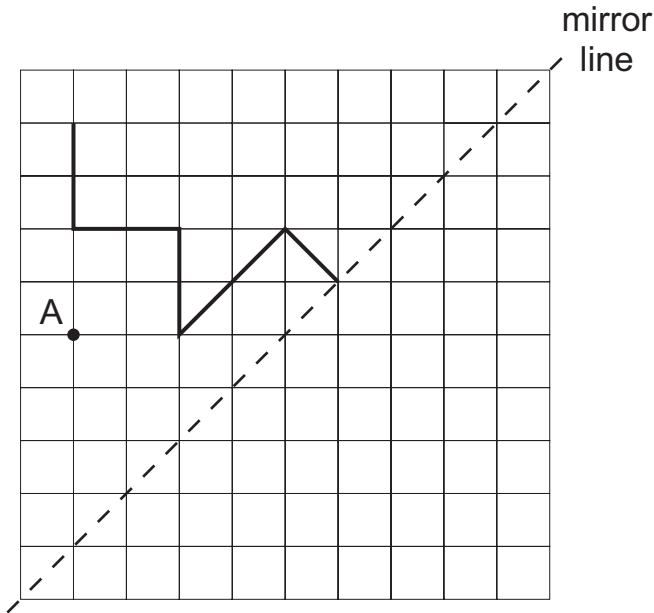
..... [1]

(b) How many people are between 30 and 50 years old?

..... [1]

Page Total

26 Look at the pattern on the grid below.



(a) Complete the line pattern to make it symmetrical, using the mirror line.

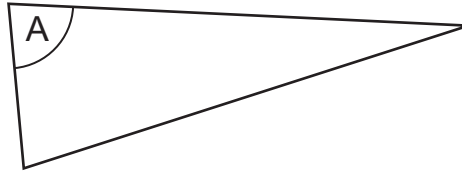
[1]

(b) Reflect point A in the mirror line.

[1]

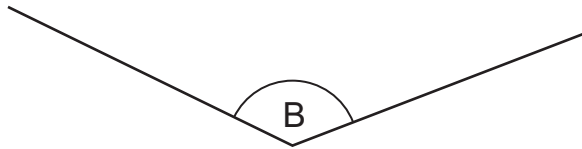
Page Total

27 (a) Measure angle A.



..... ° [1]

(b) Measure angle B.



..... ° [1]

Page Total

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