



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 2010**

**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	
1	
2	
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5	
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7	
8	
9	
10	
11	
12	
13	
<b>Total</b>	

This document consists of **13** printed pages and **3** blank pages.



2

1 Circle the even numbers.

140

209

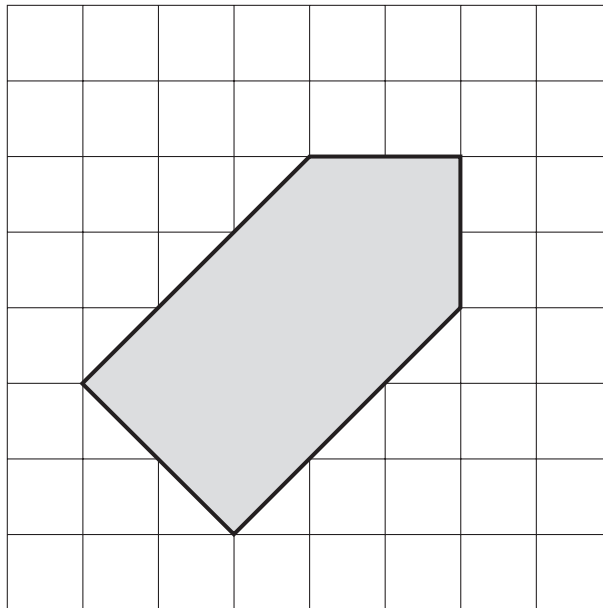
238

345

499

[1]

2 Tick (✓) **all** the right angles in this pentagon.



[1]

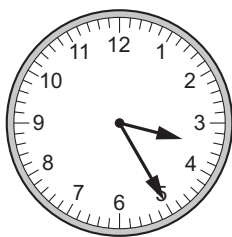
3 Calculate

$$457 - 238$$

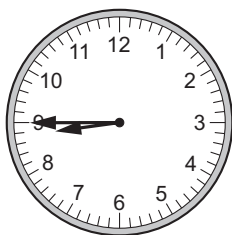
[1]

Page Total

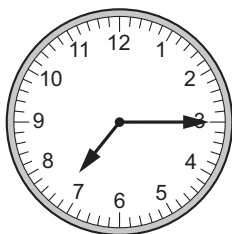
4 Match each clock to the correct digital time.



8:45



7:15



3:25

[1]

5 Match the operation with the symbol.  
The first has been done for you.

difference

+

product

-

share

×

sum

÷

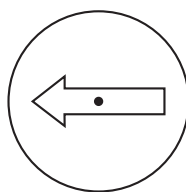


[1]

Page Total

4

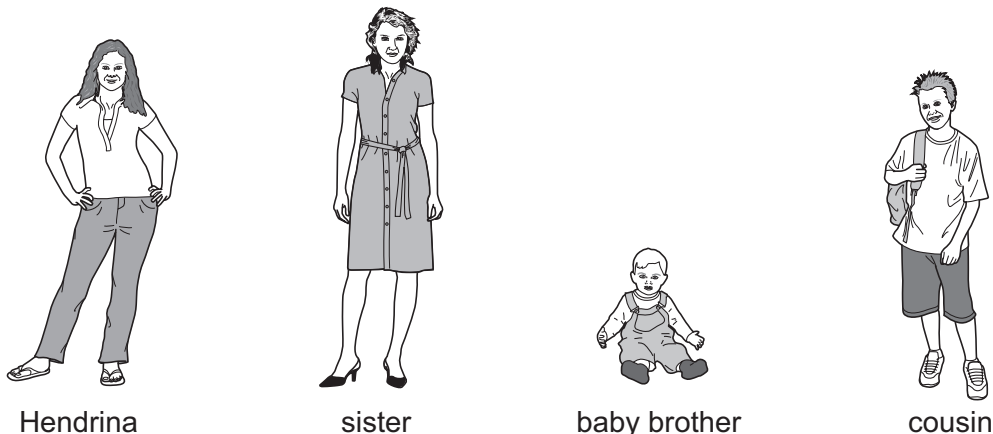
6 Manjula turns this arrow through 4 right-angles.



Through how many degrees has she turned the arrow?

.....° [1]

7 Hendrina is 12 years old. Here is a picture of Hendrina and some of her family.



(a) Hendrina is 10 years younger than her sister.

How old is her sister?

..... [1]

(b) Hendrina is 10 years older than her baby brother?

How old is her baby brother?

..... [1]

(c) Hendrina is 1 year older than her cousin.

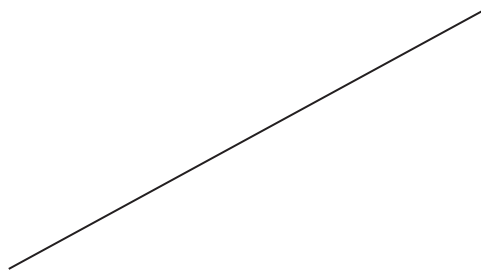
How old is her cousin?

..... [1]

Page Total

5

- 8 (a) Measure the length of this line.  
Give your answer to the nearest millimetre.



..... mm [1]

- (b) Draw a straight line which measures 48mm.

[1]

- 9 Complete this calculation in two different ways. Write only one digit in each box.

x  = 324 [1]

x  = 324 [1]

Page Total

[Turn over

6

10 Tick (✓) the solid shape made by this net.

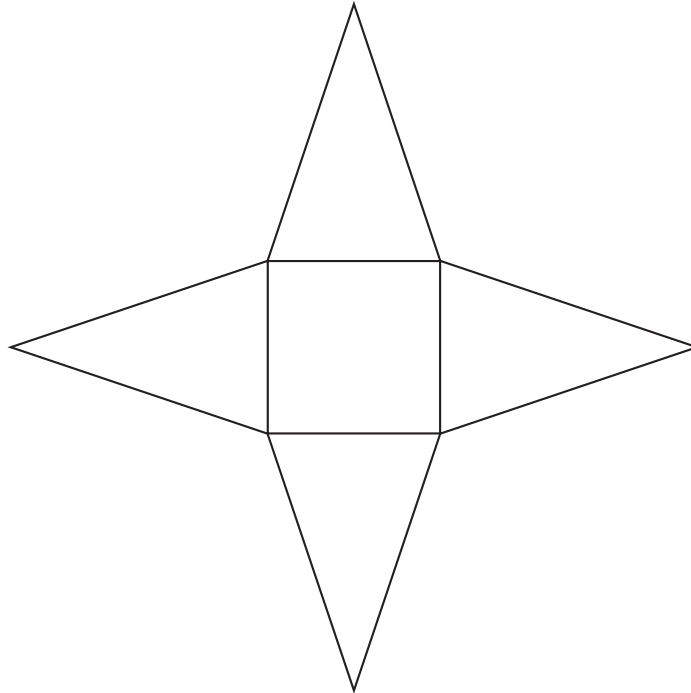
tetrahedron

square pyramid

triangular prism

cone

[1]



11 In this table, the numbers in each row are equivalent. Complete the table.

Fraction	Decimal	Percentage
$\frac{1}{4}$	0.25	
$\frac{1}{2}$		50%

[2]

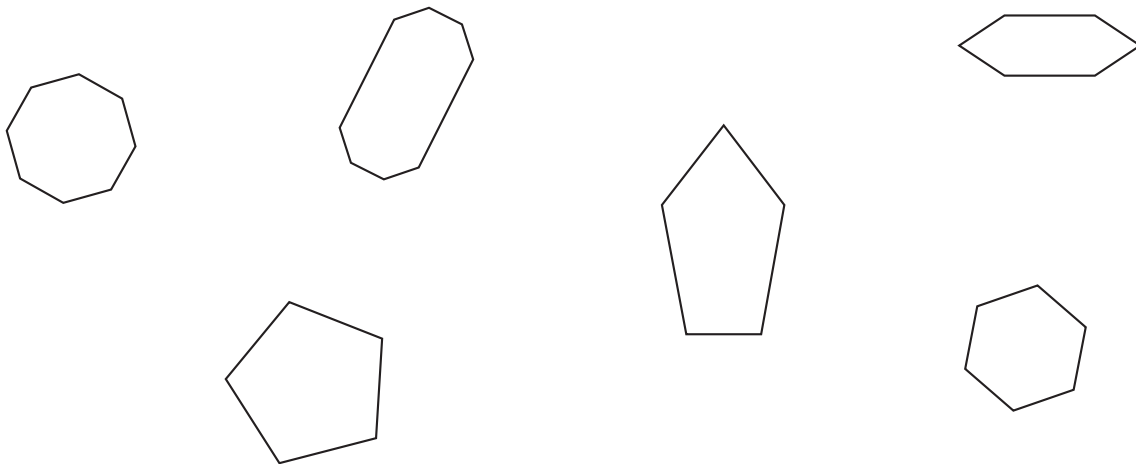
Page Total

12 Write in the missing number.

$$\boxed{\phantom{000}} \times 8 = 680$$

[1]

13 Tick (✓) all the **regular** shapes.



[1]

14 Calculate  $469 \div 3$

$$\boxed{\phantom{000}} \text{ remainder } \boxed{\phantom{00}}$$

[1]

Page Total

[Turn over

15 The cost of theatre tickets are shown in the table.

	Afternoon Show	Evening Show
Adult	\$32	\$36
Child	\$18	\$22

(a) How much does it cost for 2 adults and 1 child to go to an afternoon show?

\$ ..... [1]

(b) Andrew spends \$196 on tickets for an evening show.  
How many adult and child tickets does he buy?

Adult tickets ..... Child tickets ..... [2]

16 A jacket costs \$40.  
In the sale there is 25% off the jacket.

What does the jacket cost now?

Show your working out.

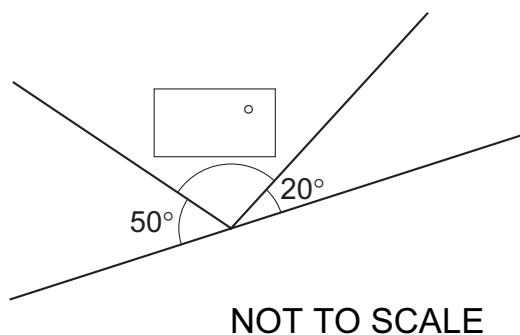
\$ .....

[2]

Page Total

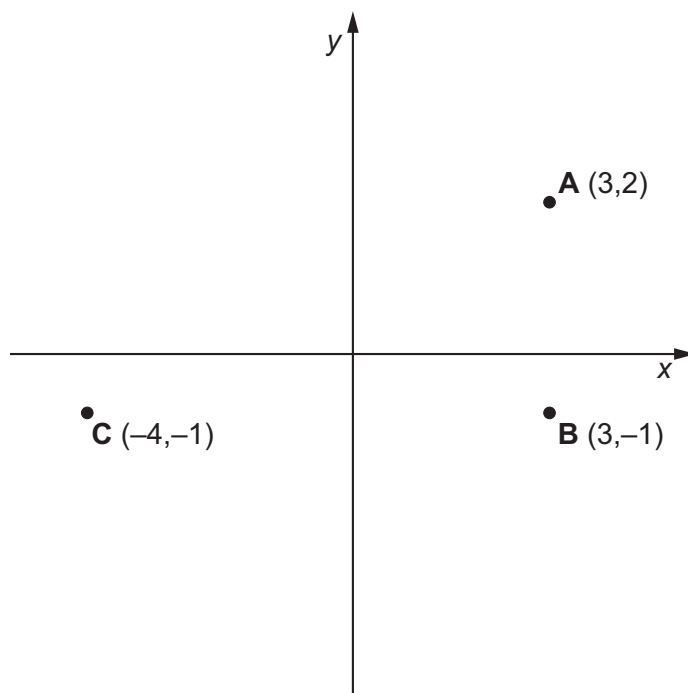
9

17 Calculate the value of the missing angle.



[1]

18 A, B and C are three vertices of a rectangle.



(a) What are the co-ordinates of the fourth vertex?

, ( ..... , ..... ) [1]

(b) The rectangle is rotated 90° clockwise at the point (0,0).  
What are the new co-ordinates of point A?

, ( ..... , ..... ) [1]

Page Total

19 Put brackets in the calculation to make it correct.

$$3 \times 5 + 2 \times 4 = 84$$

[1]

20 The time zone in London, UK is called GMT.

The table below shows how to calculate times in some parts of the USA.

Ohio has a time zone of GMT -5, which means the time is 5 hours **before** London.

Part of USA	Time zone
New Mexico	GMT -7
New York	GMT -5
North Carolina	GMT -5
North Dakota	GMT -6
Ohio	GMT -5
Oklahoma	GMT -6
Oregon	GMT -8

Given that the time in London is 11 pm, complete these sentences.

The first has been done for you.

The time in Ohio is 6 pm.

The time in New Mexico is ..... pm

The time in Oregon is ..... pm

[1]

Page Total

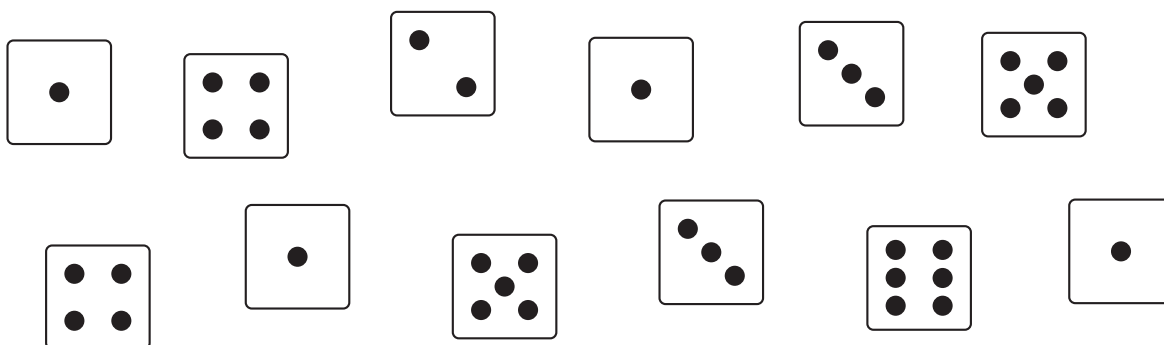
21 Find all the prime factors of 42.

..... [1]

22 Write this fraction in its simplest form.

$\frac{9}{27} =$  ..... [1]

23 Kean rolls a dice twelve times.



(a) Calculate the mean score.

..... [1]

(b) What is the modal score?

..... [1]

Page Total

[Turn over

24 Put these numbers in order of size starting with the **largest**.

3.454

3.544

4.534

4.345

.....  
**largest**

.....  
**smallest**

[1]

25 Hafiz has \$25.

His sister has  $\frac{1}{5}$  as much as Hafiz.

His father has 40% as much as Hafiz.

Calculate how much money Hafiz, his sister and his father have in total.

You **must** show all your working.

Total = \$ .....

[3]

26 Waleed thinks of a number.

He subtracts 4.5 and multiplies the result by 12.

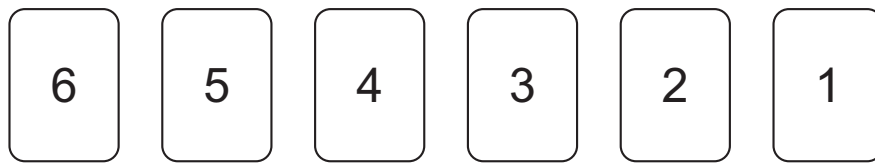
His answer is 32.4.

What is his number?

..... [1]

**Page Total**

27 Here are some number cards.



Use all six number cards **once** to make this calculation correct.

$$\begin{array}{r}
 \square \cdot \square \square \\
 + \square \cdot \square \square \\
 \hline
 4 \cdot 7 \quad 1
 \end{array}$$

[1]

Page Total

**14**

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**15**

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16

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