



**Cambridge
Primary
Checkpoint**

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
Cambridge Primary Checkpoint

CANDIDATE
NAME

CENTRE
NUMBER

--	--	--	--	--

CANDIDATE
NUMBER

--	--	--	--

MATHEMATICS

0845/01

Paper 1

October 2012

45 minutes

Candidates answer on the Question Paper.

Additional Materials: Pen
Pencil
Ruler

Protractor

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.

Calculators are **not** allowed.

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.

The total number of marks for this paper is 40.

For Examiner's Use

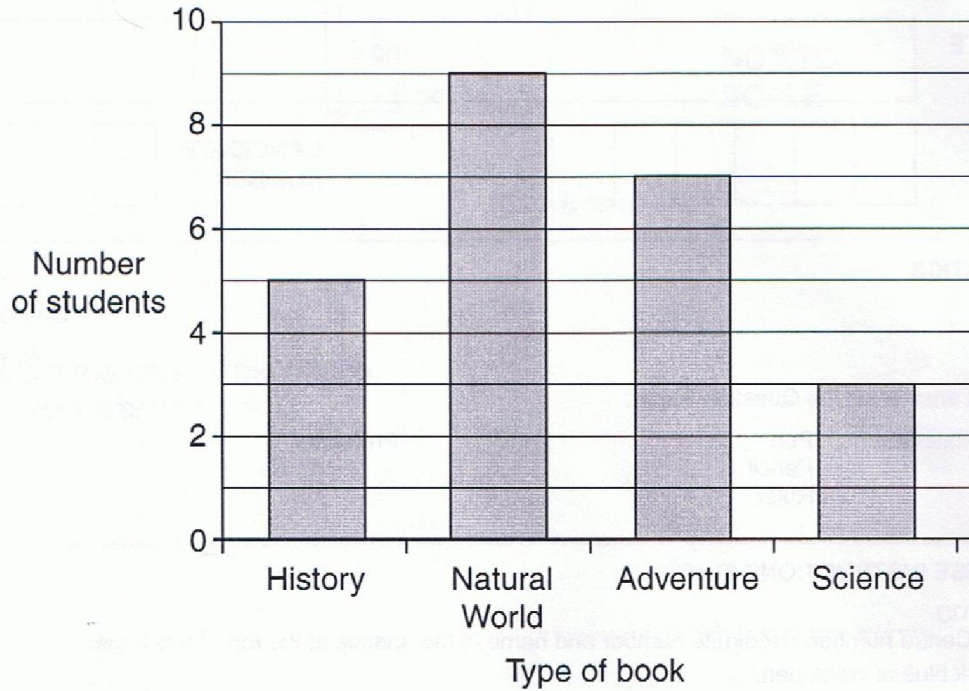
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
Total	

This document consists of 16 printed pages.





- 1 Class 6 carry out a survey to find out which is their favourite type of book. The graph shows the results of the survey.



- (a) Two girls chose Adventure books. How many boys chose Adventure books?

..... [1]

- (b) How many students took part in the survey?

..... [1]



- 4 Anton, Sanjiv and Kirsty take part in an activity weekend.

They complete the chart to show the activities they enjoy.

Activity	Anton	Kirsty	Sanjiv
pony trekking		✓	✓
parachuting	✓		✓
archery		✓	
orienteering	✓		
sailing	✓	✓	✓

- (a) Which is the most popular activity?

..... [1]

- (b) The following weekend extra activities are included. Anton and Kirsty enjoy abseiling and Sanjiv enjoys canoeing. Add this data to the chart above.

[1]

- 5 Calculate.

$$360 \div 10 =$$

..... [1]



- 8 A television programme starts at twenty past nine in the morning.
The programme finishes at 11:05 am.

How long does the programme last?

..... [1]

- 9 Here are four numbers.

5005 50 005 5 000 005 50 000 005

Put a ring around the number fifty thousand and five.

[1]

- 10 Write these amounts of money in order from largest to smallest.

\$10.25 365 cents \$15.65 1235 cents

..... largest smallest [1]



13 What is 8 squared?

[1]

14 Look at this calculation.

$$23 \times 47 = 1081$$

Use it to help you work out this answer.

$$23 \times 470 =$$

[1]

15 Here is a clock face showing a digital time.

23:23

Put a ring around the time that is the same as that shown on the clock.

11:23 am

3:23 pm

11:23 pm

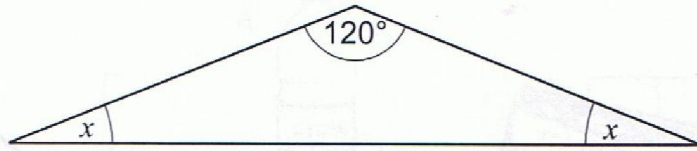
2:23 pm

3:23 am

[1]



16 Here is an isosceles triangle.



NOT TO SCALE

Calculate the size of angle x .

..... [1]

17 (a) Write these temperatures in order from coldest to warmest.

4°C -3°C -5°C 2°C 1°C

..... coldest warmest [1]

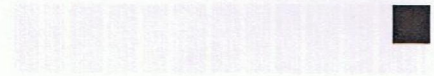
(b) The temperature in Cambridge one night was -4°C .
The next day the temperature had risen to 5°C .

By how many degrees did the temperature rise?

..... $^\circ\text{C}$ [1]



DO NOT WRITE IN THIS MARGIN



18 Here are some items for sale in a shop.



Apple
75 cents



Chocolate
\$1.47



Water
\$1.60



Banana
82 cents

Alfred buys two of these items.
He spends \$2.22

Which two items does he buy?

..... and [1]

19 Write in the missing number.

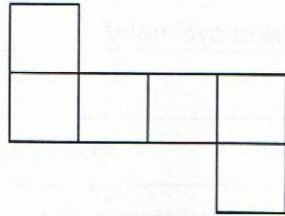
$$10 - \boxed{} = 6.45$$

[1]

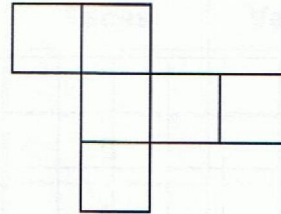


20 Here are four arrangements of 6 squares.

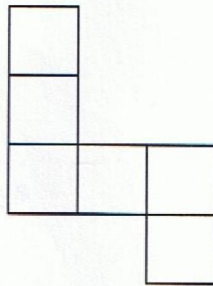
A



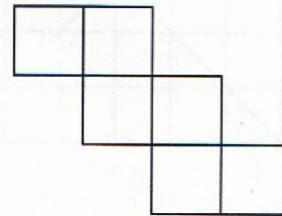
B



C



D



Which arrangement **cannot** be folded to make a cube?

..... [1]

21 Change these improper fractions to mixed numbers.

(a) $\frac{12}{5}$

..... [1]

(b) $\frac{21}{8}$

..... [1]

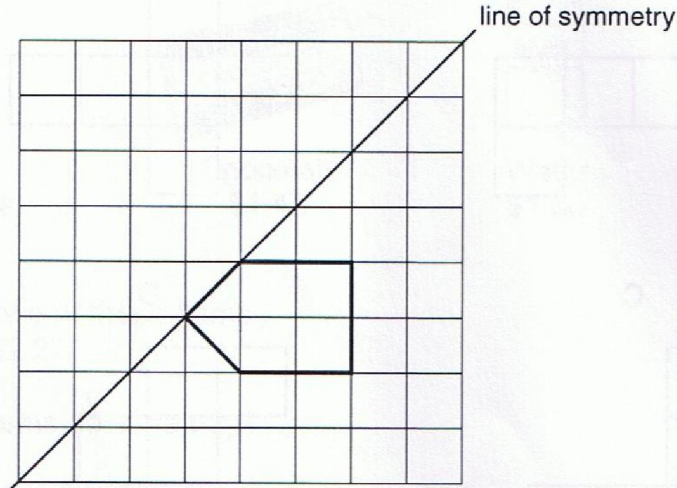


DO NOT WRITE IN THIS MARGIN



- 22 The diagram shows a pentagon on a grid.
The pentagon is reflected in the line of symmetry.

Draw the reflection.



[1]

- 23 Here are four number cards.

A	B	C	D
3.330	33.03	33.3	333

Which card shows the number ten times more than 3.33?

..... [1]

- 24 This table shows the properties of some 3D shapes.

Complete the table.

	Edges	Faces	Vertices
Cube	12		8
Triangular prism	9	5	
Square-based pyramid		5	5

[2]

- 25 Katherine says



When you add together two prime numbers, you always get an even number.

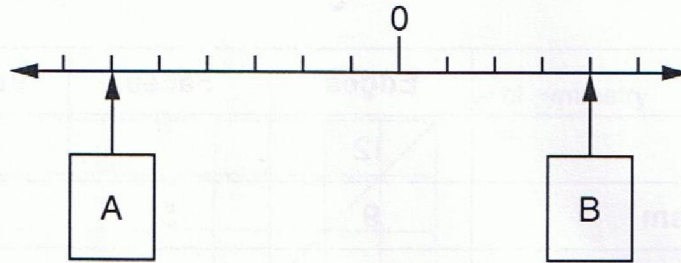
Give an example to show that this statement is false.

[1]





26 Here is part of a number line.



The difference between A and B is 20.

What is the value of B?

..... [1]

27 Calculate: 69×32

You **must** show your working.

.....

[2]

28 Peter puts 10 red balls, 4 blue balls and 1 green ball into a bag. He takes out one ball at random.

Match each event with its probability. One has been done for you.

		Impossible
A red ball	—	Unlikely
A green ball		Even chance
A yellow ball		Likely
		Certain

[1]

29 Isabella is thinking of a number.

She says

10% of my number is 6.

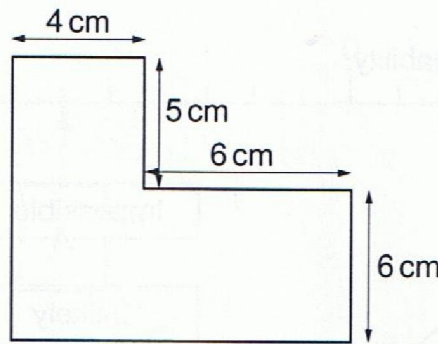
What is Isabella's number?

..... [1]





30 Here is a shape made from two rectangles.



NOT TO SCALE

Work out the area of the shape.
Show your working.

..... cm² [2]

31 Write down three **different** factors of 12 that add to 12

$$\boxed{} + \boxed{} + \boxed{} = 12$$

[1]

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

University of Cambridge International Examinations is part of the Cambridge Assessment Group. Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.

DO NOT WRITE IN THIS MARGIN