Cambridge Primary Checkpoint

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
Cambridge Primary Checkpoint

CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

MATHEMATICS **0845/01**

Paper 1 **October 2013**

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	
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16	
Total	

This document consists of **15** printed pages and **1** blank pages.

UNIVERSITY of CAMBRIDGE International Examinations

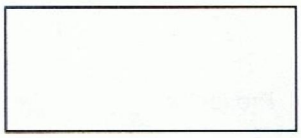
1 What is the missing number?

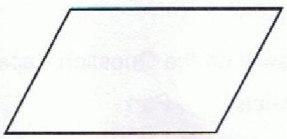
4000 is one hundred more than ☐

[1]

2 Look at these shapes.

How many lines of symmetry does each shape have?





....

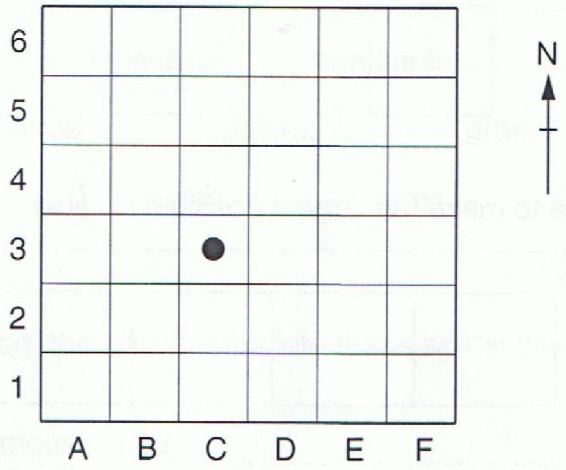
[1]

3 There are 206 children in a school.
One day 9 children are absent.

How many children attend school on that day?

..... children [1]

4 Angela places a counter on the square C3



She moves it 2 squares east and 3 squares north.

What square does she move the counter to?

..... [1]

5 Complete these statements.

1 whole turn = ... right angles

1 whole turn = ... ° [1]

6 Here are some number cards.

4	7	1	9

Use each card **once** to make the largest possible number.

[1]

7 Find the sum of 379 and 642

..... [1]

8 Double 46

..... [1]

9 **(a)** Here are some units of measurement.

kilograms		centimetres
litres	millimetres	grams
kilometres		metres

Choose units from the box to complete these sentences.

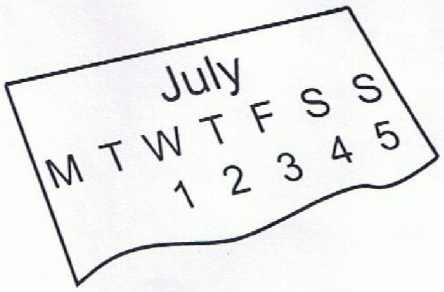
The mass of a mouse is 20 .....

The length of a football pitch is 105 ..... [1]

(b) Write a number in the gap to make this statement correct.

1 metre = ... millimetres [1]

10 Here is part of the calendar for July.



Toni's birthday is on 23rd July.

What day of the week is Toni's birthday?

..... [1]

11 Write in the missing number.

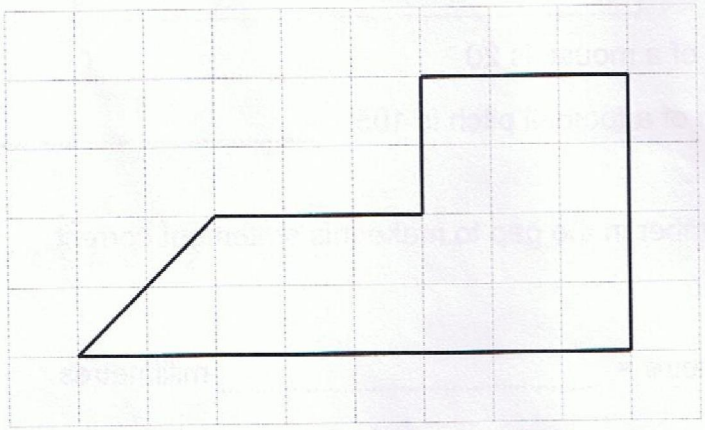
$\square = 70 \times 3$

[1]

12 Here is a shape drawn on a grid.

The area of each square is 1 cm²

What is the area of the shape?



..... cm² [1]

13 (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**?

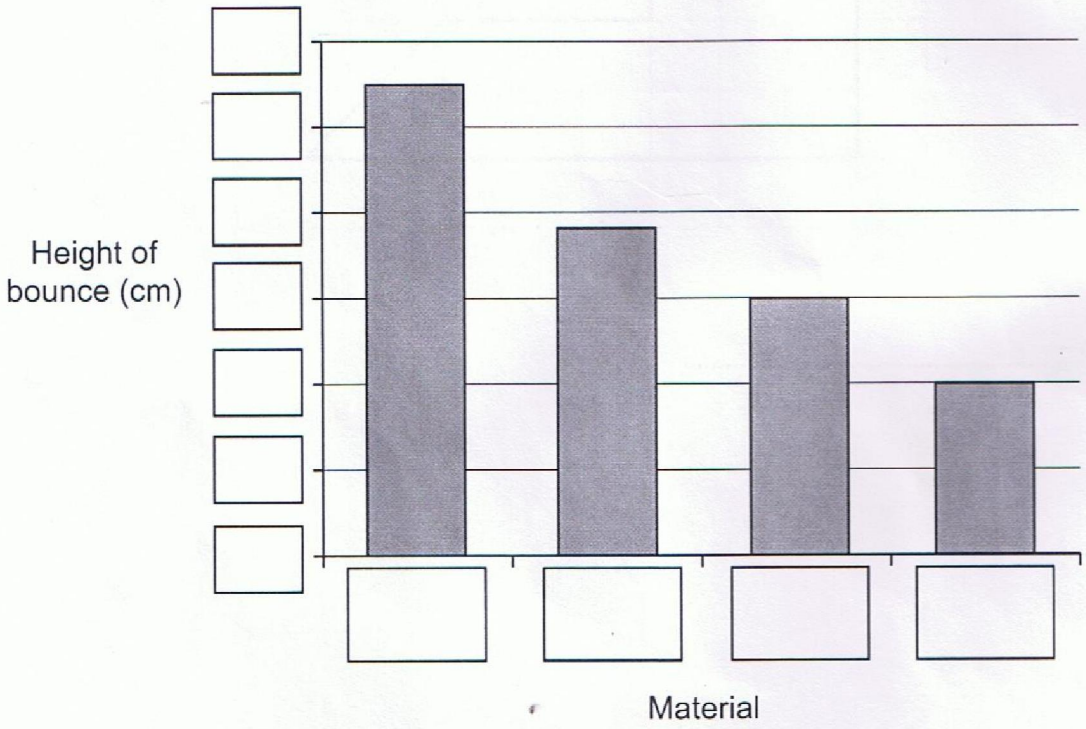
..... °C [1]

14 Hakim decides to investigate which balls bounce the highest. He drops balls made of different materials from a metre high and records the height of the bounce.

The table shows the result of his investigation.

Material	Height of bounce (cm)
plastic	30
cork and leather	20
sponge	38
rubber	55

Hakim draws a graph of the results. Complete the labels on his graph.



[2]

15 Complete each of the multiplications.

Use **different** whole numbers for each multiplication.

The first one has been done for you.

1 × 24 = 24

..... × ..... = 24

..... × ..... = 24

..... × ..... = 24

[1]

16 Write in the missing number.

$8 \times 5 = 17 +$ ☐

[1]

17 **(a)** Round 34.56 to the nearest whole number.

..... [1]

(b) Round 17 484 to the nearest thousand.

..... [1]

18 **(a)** Write a whole number in the box to make this statement correct.

$468 < \square < 472$ [1]

(b) Write the **smallest** whole number that makes this statement correct.

$1142 > \square > 981$ [1]

19 There are 30 pupils in a class.
20% of the pupils travel to school by car.

How many pupils travel to school by car?

..... pupils [1]

20 Draw a ring around each of the fractions that are equivalent to $\frac{1}{2}$

$\frac{2}{4}$ $\frac{6}{15}$ $\frac{5}{10}$ $\frac{4}{8}$ $\frac{14}{20}$ [1]

21 **(a)** Complete these calculations.

100 × 121 = ...

50 × 242 = ...

25 × 484 = ... [1]

(b) A packet of biscuits has a mass of 484 grams.

What is the total mass of 24 of these packets of biscuits?
You might find your answers to part **(a)** helpful.

..... grams [1]

22 Here is information about a three-dimensional shape.

Number of faces	Number of edges	Number of vertices
5	8	5

Draw a ring one name to identify the shape.

triangular prism triangular based pyramid

square based pyramid pentagonal prism

[1]

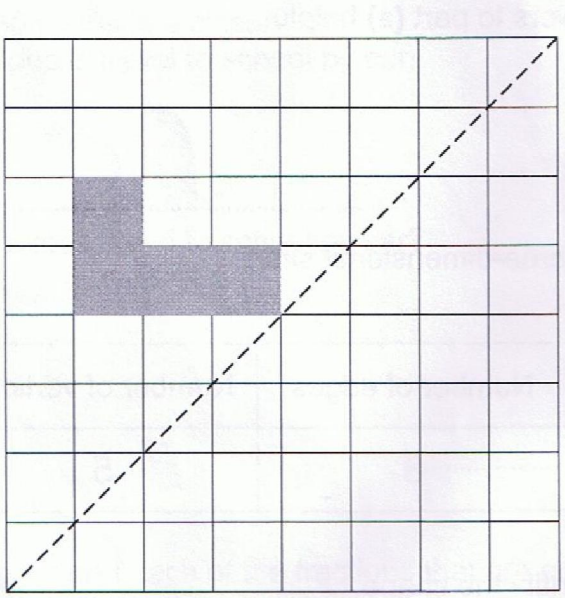
23 Daniel buys some coloured pencils.

He buys 1 red pencil for every 2 blue pencils.
He buys 24 red pencils.

How many blue pencils does he buy?

..... pencils [1]

24 Draw the reflection of this shape in the mirror line.



[1]

25 (a) Here are some number cards.

3	4	5	7	8

Use four **different** cards to complete this calculation.

0.$\square\square$ + 0.$\square\square$ = 1

[1]

(b) Write these numbers in order of size, starting with the smallest.

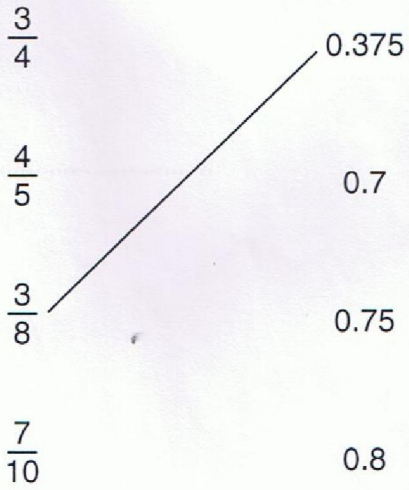
0.52 0.06 0.6 0.25

....

smallest largest [1]

26 Draw a line to match each fraction to its decimal equivalent.

One has been done for you.



[2]

[Turn over

27 (a) There are 342 children in a school.
They each read 12 books a month.

How many books will these children read altogether in one month?

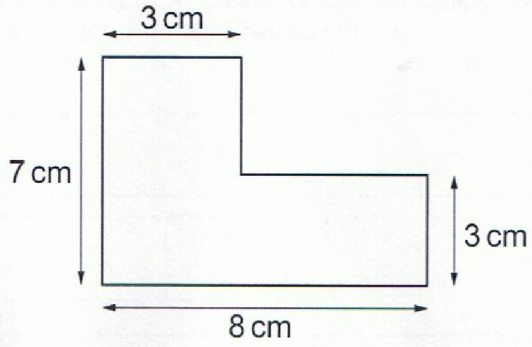
..... books. [2]

(b) A shop has 594 pencils.
They are sold equally between 18 children.

How many will they each receive?

..... pencils. [2]

28 Here is a shape.



NOT DRAWN
TO SCALE

(a) What is the area of the shape?

..... cm^2 [1]

(b) What is the perimeter of the shape?

..... cm [1]