CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

MATHEMATICS

Paper 1

Pretest 0845/01/1

April/May 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	
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11	
12	
13	
14	
15	
Total	

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

[Turn over

1 Here are some number cards.

| 4 | | 7 | | 1 | | 9 |

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

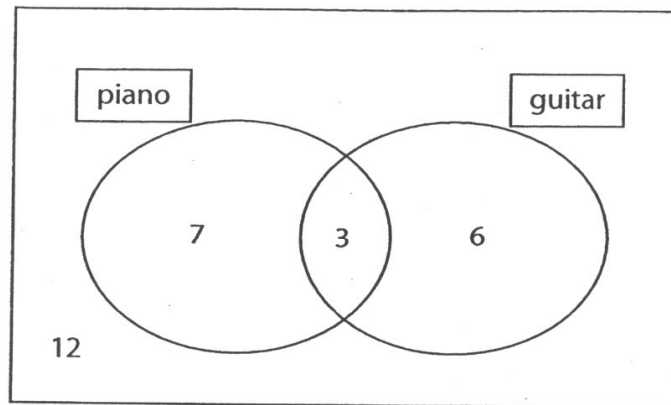|			

[1]

2 Write a number in each box to complete these equivalent fractions.

$$\frac{1}{2} = \frac{\boxed{}}{4} = \frac{4}{\boxed{}}$$

[1]

3   The Venn diagram shows the number of children in class 4 that play the piano and the guitar.

(a) How many children in class 4 play the guitar?

.... children   [1]

(b) How many children are in class 4?

.... children   [1]

4   Put a ring around each length that is greater than $\frac{1}{2}$ metre.

56 cm   37 cm   84 cm   45 cm   23 cm   [1]

5   Complete these calculations.

(a)   43   +   ☐   =   100   [1] ☐

(b)   ☐   +   150   =   1000   [1] ☐

6   Here is part of the calendar for July.

July
M T W T F S S
    1 2 3 4 5

Toni's birthday is on 23rd July.

What day of the week is Toni's birthday?

.... [1] ☐

7 (a) Put a ring around **two** numbers that add up to 1000.

150   350   550   650   750   950   [1]

(b) Put a ring around **three** numbers that add up to 200.

30   40   50   60   70   80   [1]

8 Double 46.

.... [1]

9 Put a ring around all of the numbers that equal 9 when rounded to the nearest whole number.
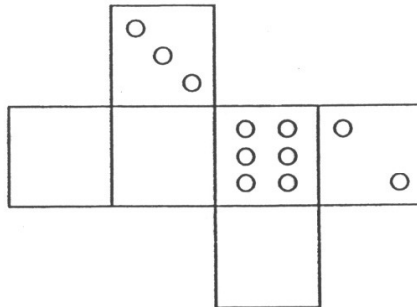
8.07   8.8   9.45   8.2   9.54   8.54   [1]

10 The opposite sides on a dice add up to 7.

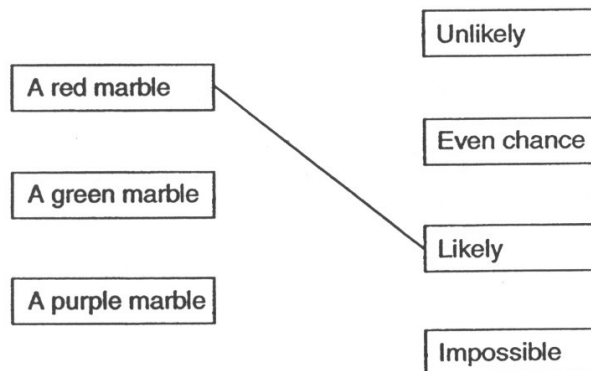Fill in the missing dots on the net.

[1] ⬚

11 Ahmed has a bag containing 20 red, 6 blue and 2 green marbles.
Ahmed picks one marble without looking.

Match each event with the word that describes the likelihood of it happening.

The first has been done for you.

| Unlikely |
| A red marble | — | Likely |
| A green marble |
| A purple marble |
| Even chance |
| Impossible |

[1] ⬚

12 (a) Calculate.

$$4168 \div 10$$

.... [1]

(b) Calculate.

$$3.4 \times 6$$

.... [1]

13 Write **all** these numbers in order from highest to lowest.

−8°C	6°C	−4°C	−7°C	3°C

Highest	°C
	°C
	°C
	°C
Lowest	°C

[1]

14 Write these measurements in order from largest to smallest.

1.2 kg   3600 g   0.6 kg   900 g

....

largest   smallest   [1]

15 Adamu cuts a melon into 8 equal slices.

He gives 5 slices to his friends.

What **fraction** of the melon does he have left?

.... [1]

16 Write **all** the missing numbers in this multiplication grid.

x			
	42	48	54
	49		63
8		64	72

[2]

0845/01/1/A/M/12

17 Complete the list of factors of 24.

.... 1, 2, 3, ... [1]

18 Find the difference between 7600 and 499.

.... [1]

19 Draw a rectangle with a perimeter of 12 cm.
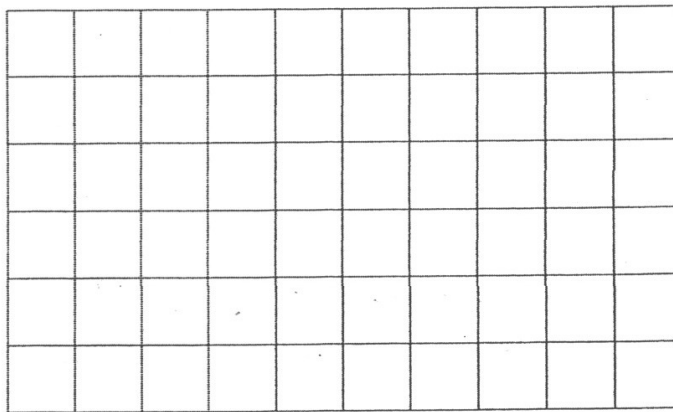
[1]

20 In a cinema there are 15 rows with 26 seats in each row.

How many seats are there altogether?

.... seats   [1]

21 Here are the prices of seven cinema tickets.

$5 $7 $3.50 $4.50

$5 $4 $3
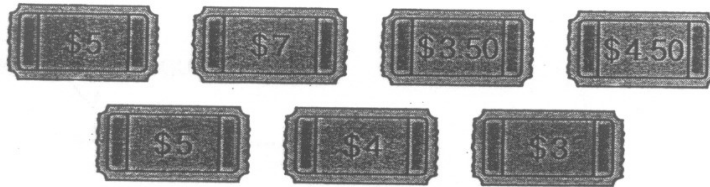
Write down the mode of these ticket prices.

$ ....   [1]

22 Jo's journey to school takes 17 minutes.

He arrives at school at 08:03 am.

What time did he leave home?

....   [1]

23 (a) What is the value of the digit 2 in the number 4.02?

Put a ring round the correct answer.

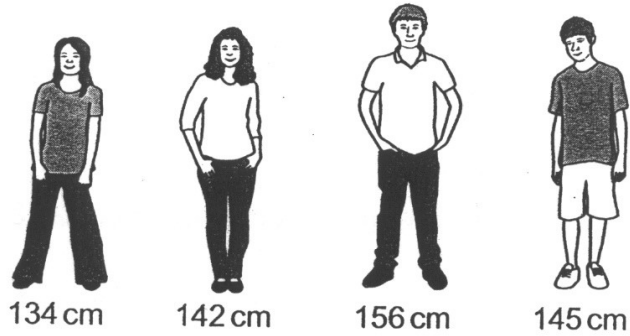2 hundreds   2 tens   2 units   2 tenths   2 hundredths   [1] ☐

(b) What does the digit 5 represent in the number 125 319?

.... [1] ☐

24 (a) Here are the heights of some children.

134 cm   142 cm   156 cm   145 cm

Calculate the range of their heights.

.... cm   [1] ☐

(b) The range of the heights of three adults is 17cm.

Write down possible heights of the shortest and tallest adults.

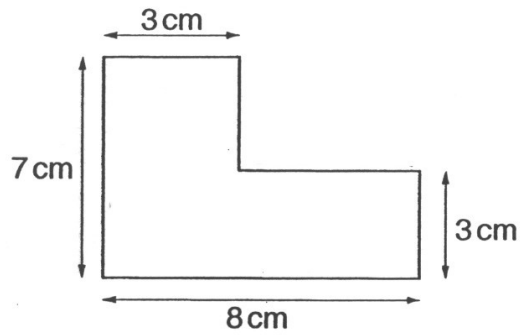..........cm   165 cm   ....cm
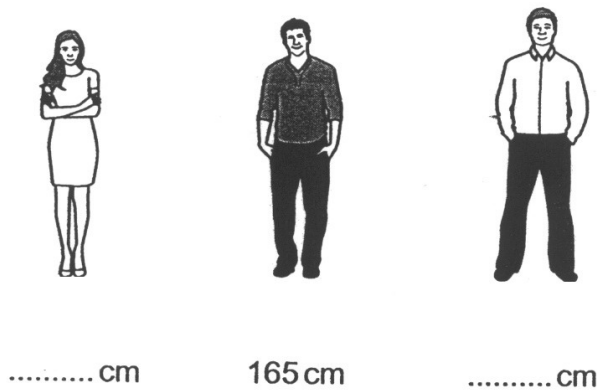
[1] ☐

25 Calculate.

17.8×4

.... [1]

26 Here is a shape.

Not to scale

3 cm

7 cm

3 cm

8 cm

(a) What is the area of the shape?

.... cm² [1]

(b) What is the perimeter of the shape?

.... cm [1]

27 Draw a line to match each multiplication to its correct answer.

One has been done for you.

32 × 1000	3200
32 × 100	32 000
3.2 × 10	320
3.2 × 100	32

[1]

28 Write a number greater than 100 which is a multiple of both 3 and 4.

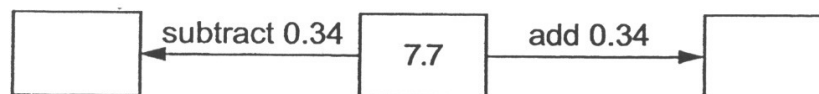.. [1]

29 Daniel buys some coloured pencils.

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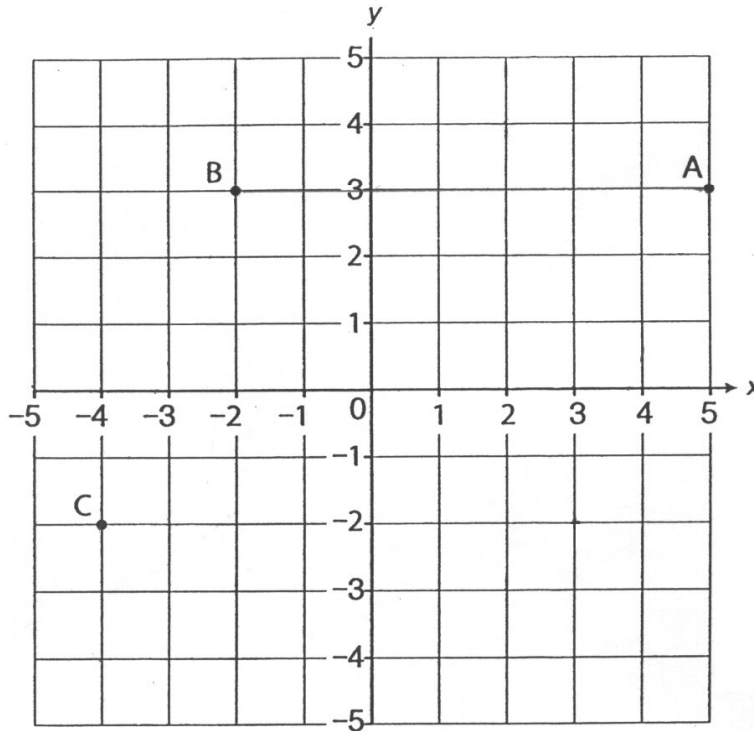He buys 24 **red** pencils.

How many blue pencils does he buy?

.... pencils   [1]

30 Complete the boxes.

☐ ← subtract 0.34 — 7.7 — add 0.34 → ☐

[1]

31 ABC are three points of a parallelogram.

Write the coordinates of point D.

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

32 At midday the temperature in Moscow was 7°C.

At midnight it was –3°C.

By how many degrees did the temperature fall?

.... °C   [1]