Cambridge International Examinations
Cambridge Primary Checkpoint

CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

MATHEMATICS 0845/02
Paper 2

Candidates answer on the Question Paper.

Additional Materials: Pen
Pencil
Ruler
Protractor
Calculator
Tracing paper (optional)

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.
Calculator 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.
1 Complete the calculations.

(a) Double 37 = [answer] [1]

(b) [answer] = Half of 96 [1]

2 Abdul asked some children to choose their favourite fruit.

<table>
<thead>
<tr>
<th>Fruit</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bananas</td>
<td>☐ ☐ ☐</td>
</tr>
<tr>
<td>Oranges</td>
<td>☐ ☐ ☐ ☐</td>
</tr>
<tr>
<td>Peaches</td>
<td>☐ ☐ ☐ ☐</td>
</tr>
<tr>
<td>Apples</td>
<td>☐ ☐</td>
</tr>
</tbody>
</table>

☐ equals 10 children

(a) How many children chose apples?

[answer] children [1]

(b) 15 children chose peaches.
Show this on the chart. [1]

3 Write a whole number that lies between 1289 and 1293

1289, [answer], 1293 [1]
There are 365 days in a year.

Students attend school on 186 days.

How many days do they **not** attend school?

__________________________ days [1]

The clock shows the time when Aysha leaves for school in the morning.

(a) It takes her 35 minutes to walk to school.

What time does she arrive at school?

__________________________ am [1]

(b) The bell rings for lunch at 12:30 pm.

Aysha has 45 minutes for lunch.

What time does lunch **finish**?

__________________________ [1]
6  (a) Write down the number that each arrow points to.

\[
\begin{array}{c}
\text{A} = \quad \text{B} = \\
\end{array}
\]

[1]

(b) Estimate where the number 350 lies on this scale.

Mark the position with an arrow (\downarrow).

[1]

7  Draw a ring around the value of the digit two in this number.

\[ 543.27 \]

2 hundredths 2 tenths 2 tens 2 hundreds

[1]
8 This shape is made from 5 straight lines.

Complete these statements.
The first has been done for you.

Line 1 is equal in length to line \( \line2 \).
Line \( \line3 \) and line \( \line4 \) are parallel.
Line 5 is perpendicular to line \( \line5 \).

9 Write the missing numbers.

(a) \( 13 \times 100 = 130 \times \square \) \[1\]

(b) \( 260 \div \square = 2600 \div 100 \) \[1\]
10 Complete this calculation.

\[ 6 \times 124 = 3 \times \square \times 124 \]

11 Here is a drawing of an open top cube.

Here is the net from which it is made.

Put a tick (✓) on the square which is its base.
12 Here is a maze.

Start from the arrow (↓).

**Draw** a path through the maze that only passes square numbers.

13 Here are three digit cards.

2  4  5

Place each digit card in a box so that the answer to the calculation is a **1-digit** whole number.

\[
\square \times \square = \square
\]

[1]
14 Draw a ring around all the **prime** numbers.

4  7  9  11  14  19  20  [1]

15 Complete this calculation.

\[
\begin{array}{c}
5 \ \ \ \ \ .4 \\
+ \\
3 \ \ \ \ \ .2 \\
\hline
1 \ 2 \ 3 \ .2
\end{array}
\]

[2]

16 Match each fraction to the equivalent decimal.

The first one has been done for you.

\[
\begin{array}{c}
\frac{1}{2} \\
\frac{3}{4} \\
\frac{2}{5} \\
\frac{3}{10}
\end{array}
\]

\[
\begin{array}{cc}
& 0.2 \\
0.75 & \frac{3}{4} \\
0.3 & \frac{2}{5} \\
0.4 & \frac{3}{10} \\
0.5 & \frac{1}{2}
\end{array}
\]  [1]
17 Here is a shape drawn on a co-ordinate grid.

(a) What are the co-ordinates of point A?

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

(b) The shape is translated 3 squares right and 5 squares up.

Draw the new position of the shape on the grid. [1]
18 In the diagram the sum of the numbers in the circles is written in the square.

Use the same rule to complete this diagram.

19 Here is a number sequence.

It continues in the same way.

Write in the missing numbers.
20 The currency in Malaysia is ringgits. The currency in Singapore is dollars.

The graph shows how many ringgits you get for different numbers of dollars.

(a) How many ringgits do you get for 30 dollars?

.............................................. ringgits [1]

(b) How many dollars do you get for 250 ringgits?

.............................................. dollars [1]
21 Two ice creams and a chocolate bar cost $2.60

One ice cream costs 78 cents.

What does a chocolate bar cost?

$ ___________________ [1]

22 Harry enters a long jump competition.

His jump is given to 3 decimal places and lies between 4.17 m and 4.18 m.

Write a possible length of Harry’s jump to 3 decimal places.

_______________________ m [1]

23 What percentage of the shape is shaded?

% ___________________ [1]
24 Paul says that $\frac{1}{3}$ is equivalent to 30%.

Is he correct?

Yes [ ] No [ ]

Explain how you know.

[1]

25 [ ] and [ ] are different 2-digit numbers that are multiples of 10

[ ] $\times$ [ ] = 5400

What could the values of [ ] and [ ] be?

[ ] = ............................................ [ ] = ............................................ [1]
26 A and B are two towns.

(a) What is the length of the shortest route between the two towns?

................................. km [1]

(b) Two different towns are 36 kilometres apart.

Write this distance in miles.

................................. miles [1]
27 Look at the two shapes.

Put a tick (✓) in the shape that has the larger perimeter.

![Shapes](image)

Show calculations to explain your answer.

28 Draw lines to join the mixed numbers to the correct positions on the number line.

![Number Line](image)

29 Sean has a collection of less than 50 books.

He counts his books in fours and has one left over.

He counts his books in fives and has three left over.

How many books could Sean have?
30 Here is a triangle on a grid.

It is rotated about point A through 90° clockwise.

Draw the new position of the triangle on the grid. [1]