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.

For Examiner's Use

1
2
3
4
5
6
7
8
9
10
11
12
Total

This document consists of 12 printed pages.
1 What is double 85?

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

2 Circle the digit worth five tens in the following number.

5 5 5

[1]

3 Tick (√) the equilateral triangles.

[1]

4 Hini buys a kite and a ball.
The kite costs 9 cents and the ball costs 7 cents.

(a) How much does she spend in total?

......................................................... cents [1]
(b) How much change does she get from 20 cents?

............................................. cents [1] 

(c) Tick (√) the coins to show her correct change.

[1] 

5 (a) Here is a set of numbers.

<table>
<thead>
<tr>
<th>254</th>
<th>542</th>
<th>245</th>
</tr>
</thead>
<tbody>
<tr>
<td>524</td>
<td>452</td>
<td></td>
</tr>
</tbody>
</table>

Circle the number that is a multiple of 5. [1] 

(b) Here is a different set of numbers.

<table>
<thead>
<tr>
<th>27</th>
<th>45</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td>74</td>
<td>63</td>
<td></td>
</tr>
</tbody>
</table>

Circle the number that is a multiple of 2. [1]
6 Taniela has a compass but it is broken.

Mend the compass by writing in the missing directions.

\[\begin{array}{c}
N \\
W \\
\end{array}\]

7 Fill in the missing numbers.

(a) \[3 \text{ metres} = \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \text{ centimetres}\] [1]

(b) \[2 \text{ kilometres} = \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \text{ metres}\] [1]

8 Ashok writes letters in a Venn Diagram.

Here is his diagram.

\[\begin{array}{c}
curved \text{ lines} \\
\text{ straight lines} \\
\end{array}\]

Put the letters \textbf{F} and \textbf{G} in the Venn Diagram.

[1]
9 Calculate

\[ 4 \times 8 = \quad \quad \]  
\[ 9 \times \quad = 54 \]  

[1]

10 Put these angles in order of size, starting with the largest.

\[ \begin{align*} &1 \\ &2 \\ &3 \\ &4 \end{align*} \]

\[
\text{largest} \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \text{smallest}
\]

[1]

11 There are 6 eggs in a box. How many boxes will 78 eggs fill?

\[ \text{boxes} \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \text{[1]} \]
12 The bar chart shows the number of bread rolls sold at a bakery.

How many organic rolls are sold?

[1]  

13 Charlotte goes to sleep at 7:30 pm. She wakes up at 6:30 am the next morning.

For how many hours does she sleep?

[1]  

hours
14 This jug contains water.

Victoria pours 50 ml of this water into a drink. How much water is left in the jug?

................................. ml [1]

15 A concert hall has 49 rows of seats. There are 34 seats in each row.

Estimate the number of seats in the concert hall, by rounding these numbers to the nearest ten.

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

16 Draw a line which measures 57 mm. You must use a ruler.

[1]
17 Ali, Bob and Tim share a chocolate cake. The cake is cut into 12 pieces.

Ali eats $\frac{1}{4}$ of the cake.

Bob eats $\frac{1}{3}$ of the cake.

Tim eats $\frac{1}{6}$ of the cake.

(a) Shade the cake to show how much Ali eats.

(b) Who eats the least cake?

(c) How many twelfths of the cake does Bob eat?

18 Calculate $35.42 - 23.37$
19 Complete these calculations.

(a) \[ 4.68 \times 100 = \] \hspace{1cm} [1]

(b) \[ 5700 \div 1000 = \] \hspace{1cm} [1]

20 Here are 3 pairs of lines.

Pair 1 \hspace{1cm} Pair 2 \hspace{1cm} Pair 3

Complete these sentences.

Pair \hspace{1cm} are perpendicular lines. \hspace{1cm} [1]

Pair \hspace{1cm} are parallel lines. \hspace{1cm} [1]

21 (a) Calculate:

3.5 \times 7 \hspace{1cm} [1]

(b) Calculate:

8.4 \div 6 \hspace{1cm} [1]
22 Here is a bus timetable to Heathrow Airport, UK.

<table>
<thead>
<tr>
<th>Location</th>
<th>0447</th>
<th>0527</th>
<th>0557</th>
<th>0627</th>
<th>0657</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walton-on-Thames</td>
<td>0452</td>
<td>0532</td>
<td>0602</td>
<td>0632</td>
<td>0702</td>
</tr>
<tr>
<td>Shepperton</td>
<td>0458</td>
<td>0538</td>
<td>0608</td>
<td>0638</td>
<td>0708</td>
</tr>
<tr>
<td>Sunbury</td>
<td>0513</td>
<td>0553</td>
<td>0623</td>
<td>0653</td>
<td>0723</td>
</tr>
<tr>
<td>Ashford</td>
<td>0515</td>
<td>0555</td>
<td>0625</td>
<td>0655</td>
<td>0725</td>
</tr>
<tr>
<td>Stanwell</td>
<td>0520</td>
<td>0600</td>
<td>0630</td>
<td>0700</td>
<td>0730</td>
</tr>
<tr>
<td>Heathrow Terminal 4</td>
<td>0524</td>
<td>0604</td>
<td>0634</td>
<td>0704</td>
<td>0734</td>
</tr>
<tr>
<td>Hatton Cross</td>
<td>0533</td>
<td>0613</td>
<td>0643</td>
<td>0713</td>
<td>0743</td>
</tr>
<tr>
<td>Harlington</td>
<td>0540</td>
<td>0620</td>
<td>0650</td>
<td>0720</td>
<td>0750</td>
</tr>
</tbody>
</table>

Priyanka lives in Shepperton. She needs to catch a bus to be at Heathrow Airport Central by 7 am.

(a) What is the latest time she can leave Shepperton to arrive on time?

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

(b) How many minutes is the bus journey from Heathrow Terminal 4 to Heathrow Airport Central?

........................................................................................................ minutes [1]

23 Meri is making a large cube from smaller cubes. She has completed 3 faces.

represents the smaller cubes

![Diagram of a large cube with completed faces]

What is the least number of smaller cubes she needs to complete her large cube?

........................................................................................................ [1]
24 I am thinking of a number.
Two-thirds of my number is the same as one quarter of fifty-six.

What is my number?

\[
\begin{array}{|c|c|c|}
\hline
\text{Name} & \text{Score in Maths test} & \text{Score in Science test} \\
\hline
\text{Lena} & 6 & 7 \\
\text{Suzanah} & 8 & 10 \\
\text{Serene} & 5 & 6 \\
\text{Jasmine} & 10 & 9 \\
\text{Dawn} & 9 & 9 \\
\text{Chris} & 8 & 10 \\
\text{Lee} & 9 & 10 \\
\text{Eric} & 7 & 9 \\
\text{Tan} & 10 & 9 \\
\text{Fong} & 10 & 10 \\
\hline
\end{array}
\]

(a) What is the range for the Maths test scores?

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

(b) What is the modal score for the Maths test?

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

(c) What is the median score for the Science test?

.................................................................................................................... [1]
26 Here is a magic square.
Each row, column and diagonal add up to the same number (the magic number).

\[
\begin{array}{ccc}
18 & 8 & \text{[missing]} \\
12 & 20 & \text{[missing]} \\
14 & 16 & 6 \\
\end{array}
\]

(a) Fill in the missing numbers.

(b) What is the magic number?