<table>
<thead>
<tr>
<th></th>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$460 + 148 + 5 = \text{ (a) } 307 \text{ (b) } 503 \text{ (c) } 513 \text{ (d) } 613$</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>$1740 - 906 = \text{ (a) } 834 \text{ (b) } 844 \text{ (c) } 1234 \text{ (d) } 1246$</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>$8032 \div 4 = \text{ (a) } 28 \text{ (b) } 208 \text{ (c) } 2008 \text{ (d) } 2080$</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>$105 \times 6 = \text{ (a) } 600 \text{ (b) } 603 \text{ (c) } 630 \text{ (d) } 6030$</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Which set of numbers are prime factors of 6? \text{ (a) } {1,3} \text{ (b) } {2,3} \text{ (c) } {1,2,3} \text{ (d) } {1,2,3,6}$</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>What is 867 rounded to the nearest ten? \text{ (a) } 870 \text{ (b) } 880 \text{ (c) } 890 \text{ (d) } 900$</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>How is 20040 written in words? \text{ (a) } Two million and forty \text{ (b) } Twenty thousand and forty \text{ (c) } Two thousand and four \text{ (d) } Twenty thousand and four</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>How many times can 6 be taken from 126 and have nothing remaining? \text{ (a) } 21 \text{ (b) } 120 \text{ (c) } 132 \text{ (d) } 756</td>
<td></td>
</tr>
</tbody>
</table>
Items 9, 10 and 11 are based on the number 2340.

<p>| | | | | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>9</td>
<td>What is the value of the digit 2?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(a) 2</td>
<td>(b) 20</td>
<td>(c) 2000</td>
<td>(d) 20000</td>
</tr>
<tr>
<td>10</td>
<td>Which numeral is in the hundreds place?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(a) 0</td>
<td>(b) 2</td>
<td>(c) 3</td>
<td>(d) 4</td>
</tr>
<tr>
<td>11</td>
<td>How much less than the value of the digit 3 is the value of the digit 4?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(a) 1</td>
<td>(b) 10</td>
<td>(c) 26</td>
<td>(d) 260</td>
</tr>
</tbody>
</table>

Study the pattern of circles below, to answer question 12.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>12</td>
<td>How many circles are needed to make the 4th pattern?</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(a) 4</td>
<td>(b) 9</td>
<td>(c) 13</td>
</tr>
</tbody>
</table>

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>4³ =</td>
</tr>
<tr>
<td></td>
<td>(a) 4 x 4 x 4</td>
</tr>
</tbody>
</table>

<p>| | | | |</p>
<table>
<thead>
<tr>
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<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>14</td>
<td>Which is the largest of these fractions? ( \frac{2}{3}, \frac{2}{5}, \frac{7}{9} ) and ( \frac{5}{6} )</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(a) ( \frac{2}{3} )</td>
<td>(b) ( \frac{2}{5} )</td>
<td>(c) ( \frac{5}{6} )</td>
</tr>
<tr>
<td>Question</td>
<td>Description</td>
<td>Options</td>
<td>Correct Answer</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>---------</td>
<td>----------------</td>
</tr>
<tr>
<td>15</td>
<td>( \frac{7}{3} \div 4 \frac{1}{2} = )</td>
<td>(a) ( \frac{14}{27} ) (b) ( \frac{2}{21} ) (c) ( \frac{27}{14} ) (d) ( \frac{21}{2} )</td>
<td>(b) ( \frac{2}{21} )</td>
</tr>
<tr>
<td>16</td>
<td>If 50% of a number is 40, what is 75% of the number?</td>
<td>(a) 15 (b) 25 (c) 30 (d) 60</td>
<td>(c) 30</td>
</tr>
<tr>
<td>17</td>
<td>The time on the clock shown below is</td>
<td>(a) 6:55 (b) 7:11 (c) 7:55 (d) 11:07</td>
<td>(b) 7:11</td>
</tr>
<tr>
<td>18</td>
<td>Which decimal means the same as ( \frac{1}{5} )?</td>
<td>(a) 0.2 (b) 0.3 (c) 0.4 (d) 0.5</td>
<td>(c) 0.4</td>
</tr>
<tr>
<td>19</td>
<td>( 0.4 \times 3000 = )</td>
<td>(a) 1.200 (b) 120 (c) 1200 (d) 12000</td>
<td>(c) 1200</td>
</tr>
</tbody>
</table>
20. Which of the following shapes has a perimeter of 32 cm?

(a) 8 cm 6 cm  
(b) 16 cm 3 cm  
(c) 4 cm 12 cm  
(d) 24 cm 2 cm

21. Using the exchange rate shown below, how much money will a tourist receive when he changes US$300 to ECS?

EXCHANGE RATE
EC$  US$
$2.70 = $1

(a) $ 81 000  
(b) $ 8100  
(c) $ 810  
(d) $ 81

22. What is the length of AB in the picture below?

(a) 13 cm  
(b) 10 cm  
(c) 8 cm  
(d) 7 cm
Use the diagram below to answer items 23 and 24. The diagram below, not drawn to scale, shows the triangle ABC, in which AB = AC

![Diagram of triangle ABC with sides labeled AB = AC and heights of 16 cm and 12 cm]

<table>
<thead>
<tr>
<th>Question</th>
<th>Description</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>What type of triangle is represented in the diagram?</td>
<td>(a) scalene  (b) right-angled  (c) isosceles  (d) equilateral</td>
</tr>
<tr>
<td>24</td>
<td>The area, in cm², of triangle ABC is</td>
<td>(a) 28  (b) 44  (c) 96  (d) 192</td>
</tr>
<tr>
<td>25</td>
<td>When the following numbers 2, 1, 6, 4, 7 are arranged in ascending order, which number will be the middle number?</td>
<td>(a) 1  (b) 4  (c) 6  (d) 7</td>
</tr>
<tr>
<td>26</td>
<td>Which of the following gives the same answer as 67 x 2?</td>
<td>(a) 67 ÷ 67  (b) 67 – 67  (c) 67 x 67  (d) 67 + 67</td>
</tr>
<tr>
<td>27</td>
<td>Which letter on the number line shows the location of ( \frac{3}{2} )?</td>
<td>(a) W  (b) X  (c) Y  (d) Z</td>
</tr>
<tr>
<td>Question</td>
<td>Description</td>
<td>Options</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>---------</td>
</tr>
<tr>
<td>28</td>
<td>Jerry has $9.45 to spend. He bought a ham sandwich and a fruit drink. How much money does he have left?</td>
<td>(a) $2.35  (b) $3.40  (c) $6.05  (d) $7.10</td>
</tr>
<tr>
<td>29</td>
<td>What is the value of $3 \times (9+1) - 6$?</td>
<td>(a) 12  (b) 16  (c) 22  (d) 24</td>
</tr>
<tr>
<td>30</td>
<td>1 tonne expressed in kilograms is:</td>
<td>(a) $\frac{1}{1000}$  (b) 10  (c) 100  (d) 1000</td>
</tr>
<tr>
<td>31</td>
<td>If a truck travels at a speed of 20 km per hour for 4 hours, how far will it travel?</td>
<td>(a) 16 km  (b) 24 km  (c) 60 km  (d) 80 km</td>
</tr>
<tr>
<td>32</td>
<td>The shape below represents a circle with centre O. The line XY represents the</td>
<td>(a) circumference  (b) diameter  (c) radius  (d) arc</td>
</tr>
</tbody>
</table>
33 Here are three triangles.

Which of the following **BEST** describes them in order from left to right?

(a) equilateral, isosceles, scalene  
(b) isosceles, equilateral, scalene  
(c) scalene, equilateral, isosceles  
(d) isosceles, scalene, equilateral

34 On 3 science tests, Mark earned a score between 60 and 70. If he scored 95 on the 4\(^{th}\) test, which of the following statements will be **TRUE**?

(a) Mark’s mean score will increase.  
(b) Mark’s mean score will decrease.  
(c) Mark’s modal score will increase.  
(d) Mark’s median score will decrease.

35 The product of 0.1 and 0 is

(a) 0.1  
(b) 0  
(c) 1  
(d) 10

36 There are 200 vehicles in a parking lot. If 80 of them are cars, what percent of the vehicles are cars?

(a) 10%  
(b) 40%  
(c) 60%  
(d) 80%

37 Ken solved the problem below

\[
\begin{array}{c}
\underline{2134} \\
\underline{533} \quad r \underline{2}
\end{array}
\]

Which expression can he use to check his answer?

(a) \((533 \times 4) \times 2\)  
(b) \((533 \times 2) \times 4\)  
(c) \((533 \times 4) + 2\)  
(d) \((533 \times 2) + 4\)
Which of the following shows a shaded acute angle?

(a)  
(b)  
(c)  
(d)  

Which square has $\frac{1}{4}$ of its area shaded?

(a)  
(b)  
(c)  
(d)  

Use the information below to answer items 40 and 41.

Shane recorded the number of phone calls he received each day for 7 days. The results are shown below.

3, 6, 7, 3, 5, 1, 3

How many phone calls did Shane receive on most days?

(a) 3  (b) 4  (c) 6  (d) 7

What is the mean (average) number of phone calls Shane received?

(a) 3  (b) 4  (c) 6  (d) 7

The price of a Blackberry costs $800. In a sale, the price is reduced by $150. What is the sale price?

(a) $150  (b) $650  (c) $800  (d) $950
### 43
If \( y = 2 \), what is \( 4 \times (6 - y) \)?

(a) 8  (b) 16  (c) 22  (d) 32

### 44
Which unit of measure is **BEST** used for measuring the mass of a mango?

(a) milligram  (b) gram  (c) kilogram  (d) tonne

### 45
A rectangular field has a perimeter of 120 m. If the field is 20 m in width, what is the length of the field?

(a) 20 m  (b) 40 m  (c) 100 m  (d) 140 m

### Items 46, 47 and 48

Items 46, 47 and 48 are based on the pie chart below.

The pie chart shows how Susan divided her monthly allowance of $200

![Susan’s Monthly Allowance](image)

### 46
To which item did Susan give the most money?

(a) savings  (b) food  (c) clothing  (d) cell phone credit

### 47
How much money was allotted to cell phone credit?

(a) $30  (b) $36  (c) $60  (d) $140

### 48
How much more of Susan’s allowance was given to food than for savings?

(a) $10  (b) $30  (c) $40  (d) $50

---

Common Entrance Exam 2012-2013
Study and use the diagram below to answer question 49.

What are the coordinates of X and Y?

(a) X(1,0)     Y(5,4)  
(b) X(1,0)     Y(4,5)  
(c) X(0,1)     Y(5,4)  
(d) X(0,1)     Y(4,5)

Angle p =

(a) 25°  (b) 65°  (c) 115°  (d) 155°

When an even number is added to 3, the answer will ALWAYS be

(a) negative   (b) prime    (c) odd    (d) even

Common Entrance Exam 2012-2013
Dan spoke on the telephone for $1\frac{1}{2}$ hours with his three best friends, Justin, Mark and Steve. He spoke with Justin for $\frac{1}{3}$ of an hour and with Mark for $\frac{1}{2}$ an hour. How much time did Dan spend on the telephone with Steve?

(a) $\frac{5}{6}$ hr  (b) $\frac{2}{3}$ hr  (c) $\frac{2}{5}$ hr  (d) $\frac{1}{6}$ hr

How many faces does the cube have?

(a) 3  (b) 4  (c) 6  (d) 8

In the figure below, angles $x$ and $y$ are the same size. The size of angle $x$ is

(a) $20^\circ$  (b) $55^\circ$  (c) $70^\circ$  (d) $110^\circ$

Susan and her sister went to a netball match on Sunday. They left home at 2.30 pm. It took them 45 minutes to get to the match. They arrived 15 minutes before the match started. At what time did the match begin?

(a) 3:00 p.m.  (b) 3:30 p.m.  (c) 3:45 p.m.  (d) 4:00 p.m.
In which diagram below is the line XY a ‘line of symmetry’?

(a) 

(b) 

(c) 

(d) 

Which shape below has only one pair of parallel lines?

(a) 

(b) 

(c) 

(d)
Items 58, 59 and 60 are based on the graph shown below.

St. Vincent and the Grenadines          Ministry of Education

Students’ Favourite Subjects

<table>
<thead>
<tr>
<th>Subjects</th>
<th>No. of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>5</td>
</tr>
<tr>
<td>Language Arts</td>
<td>9</td>
</tr>
<tr>
<td>Social Studies</td>
<td>6</td>
</tr>
<tr>
<td>Music</td>
<td>4</td>
</tr>
<tr>
<td>Science</td>
<td>10</td>
</tr>
</tbody>
</table>

Which subject is the **LEAST** liked among students?

(a) Language Arts   (b) Music   (c) Science   (d) Social Studies

How many students did Mark survey?

(a) 9   (b) 30   (c) 33   (d) 35

How many more students prefer Language Arts than Maths?

(a) 3   (b) 6   (c) 9   (d) 15