



**ALTIUS**

# Logical Reasoning and Quantitative Aptitude

**WORKSHEET 2**

Theme	Logical Reasoning and Quantitative Aptitude
Question 1	<p>Alex has a box of 60 chocolates. He gives one-third of the chocolates to Daniel. He then gives one-tenth of the chocolates to Ben. How many chocolates are left with Alex?</p> <ul style="list-style-type: none"><li>• 34</li><li>• 36</li><li>• 44</li><li>• 46</li></ul>
Question 2	<p>In a sports day event, one-quarter of the total participants are girls and rest are boys. If 60 girls participated in the event, then how many boys took part in that event?</p> <ul style="list-style-type: none"><li>• 60</li><li>• 120</li><li>• 180</li><li>• 240</li></ul>

Question 3

If a two-digit number is divided by 6, the remainder is 3. If it is divided by 8, the remainder is also 3. Which of the following could be that number?

- 24
- 27
- 48
- 52




Question 4


Sameer bought  $1\frac{1}{4}$  kg of grapes. He gave two-fifth of these to his brother. How much grapes are left with Sameer?

- $\frac{1}{2}$  kg
- $\frac{3}{5}$  kg
- $\frac{3}{4}$  kg
- $1\frac{3}{20}$  kg

Question 5

Five students made 114 cupcakes. The table shows the information about the number of cupcakes of each student. If Jacob made eight more cupcakes than Rachel, then how many cupcakes did Jacob made?

Student	Number of Cupcakes
Marcia	
Jacob	?
Jen	
Rachel	?
Nathan	

Key  = 12 cupcakes

- 20
- 24
- 28
- 32

Question 6	<p>Isha has to visit the doctor twice. Her visits must be 16 days apart. Her second visit is day after tomorrow. If yesterday was Sunday, on which day was her first visit?</p> <ul style="list-style-type: none"><li>• Saturday</li><li>• Friday</li><li>• Wednesday</li><li>• Monday</li></ul>
Question 7	<p>Gourav picked four numbers. The mean of his numbers was 8. Two of the numbers were 7 and 15. The other two were identical. What was the value of the other two numbers?</p> <ul style="list-style-type: none"><li>• 5</li><li>• 8</li><li>• 10</li><li>• 11</li></ul>
Question 8	<p>Riya had a cube. The sum of the length of the edges of the cube was 120 cm. She cut the cube into eight equally sized small cubes. What is the volume of each small cube?</p> <ul style="list-style-type: none"><li>• <math>100 \text{ cm}^3</math></li><li>• <math>125 \text{ cm}^3</math></li><li>• <math>240 \text{ cm}^3</math></li><li>• <math>250 \text{ cm}^3</math></li></ul>

Question 9	<p>Three students won a cash prize. They shared the cash price equally. Each one got a whole number of rupees. Which of these could be the total value of the prize?</p> <ul style="list-style-type: none"><li>• Rs 803</li><li>• Rs 739</li><li>• Rs 446</li><li>• Rs 252</li></ul>
Question 10	<p>What is the first prime number greater than 2000?</p> <ul style="list-style-type: none"><li>• 2001</li><li>• 2003</li><li>• 2007</li><li>• 2009</li></ul>

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## Answers

Answer 1	36
Answer 2	180
Answer 3	27
Answer 4	$\frac{3}{4}$ kg
Answer 5	28
Answer 6	Monday
Answer 7	5
Answer 8	125 cm <sup>3</sup>
Answer 9	Rs 252
Answer 10	2003