



Logical Reasoning and Quantitative Aptitude

WORKSHEET 1

<p>Question 1</p>	<p>In a test, 1 mark is awarded for each correct answer and one-fourth is deducted for each incorrect answer. Sameer answered 8 wrong questions and earned 10 marks. How many questions did he answer correctly?</p> <ul style="list-style-type: none"> • 8 • 10 • 12 • 14
<p>Question 2</p>	<p>What will be the ratio of the simple interests earned by a certain amount at the same rate of interest for 6 years and for 9 years?</p> <ul style="list-style-type: none"> • 2 : 3 • 3 : 2 • 9 : 6 • 1 : 3

Question 3	<p>54 is to be divided into two parts, such that the sum of 10 times the bigger part and 22 times the smaller part is 780. What is the bigger part?</p> <ul style="list-style-type: none"> • 34 • 20 • 45 • 9
Question 4	<p>If the sum of three consecutive integers is 20 more than the middle integer, then what is the smallest integer?</p> <ul style="list-style-type: none"> • 7 • 8 • 9 • none of these
Question 5	<p>In a test containing 80 questions, Aryan answered 75% of the first 60 questions correctly. What percentage of the remaining questions does he need to answer correctly to attain 80% in the test?</p> <ul style="list-style-type: none"> • 20% • 80% • 85% • 95%

<p>Question 6</p>	<p>The number 86 is a 'happy number' because the following two-line pattern ends with the digit '1'.</p> $8^2 + 6^2 = 64 + 36 = 100$ $1^2 + 0^2 + 0^2 = 1 + 0 + 0 = 1$ <p>How many lines are in the pattern needed to show that '23' is a happy number?</p> <ul style="list-style-type: none">• 2• 3• 4• 5
<p>Question 7</p>	<p>A café sells different types of burgers. A customer can choose a vegetarian, a lamb or a chicken burger. The burgers can be grilled or fried, and have either tomato or sweet chilli sauce. How many different types of burgers does the café sell?</p> <ul style="list-style-type: none">• 5• 6• 8• 12

Question 8	<p>The difference between the simple interest received from two different sources on ₹ 1,500 for 3 years is ₹ 13.50. What is the difference between their rates of interest?</p> <ul style="list-style-type: none"> • 0.3% • 0.4% • 0.5% • 0.6%
Question 9	<p>The length of a rectangular plot is increased by 25%. To keep its area unchanged, the width should be:</p> <ul style="list-style-type: none"> • kept unchanged • increased by 25% • increased by 20% • reduced by 20%
Question 10	<p>If the circumference and area of a circle are numerically equal, then what will be its diameter?</p> <ul style="list-style-type: none"> • 1 cm • $\frac{1}{2}$ cm • 2 cm • 4 cm

- x -

Answers

Answer 1	12
Answer 2	2 : 3
Answer 3	34
Answer 4	9
Answer 5	95%
Answer 6	3
Answer 7	12
Answer 8	0.3%
Answer 9	reduced by 20%
Answer 10	4 cm