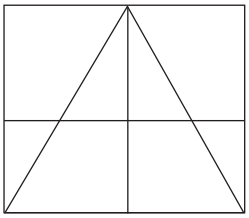
ALTIUS

Logical Reasoning and Quantitative Aptitude

WORKSHEET 1

Question 1	How many triangles are there in the given figure? • 8 • 9 • 10 • 11 
Question 2	What is the probability of no deduction in marks for a question which has four options and one correct answer? • 0 • $\frac{1}{4}$ • $\frac{1}{2}$ • 1

Question 3	Rohan left home and cycled 15 km towards South, then turned right and cycled 10 km and then again turned right and cycled 15 km. After this, he turned left and cycled 10 km. How many kilometres will he have to cycle to reach his home straight? • 0 km • 10 km • 20 km • 40 km
Question 4	A car covered 280 km using 50 litres of petrol. How much distance would it cover if it used 15 litres of petrol? • 64 km • 80 km • 84 km • 96 km
Question 5	A shopkeeper purchased 6 pens for ₹ 5 and sold 5 pens for ₹ 6. What is his profit percentage? • 25% • 33.33% • 35% • 44%

Question 6	An alloy contains nickel and zinc in the ratio 6 : 7. What is the weight of the alloy if weight of zinc is 63 kg? • 9 kg • 54 kg • 84 kg • 117 kg
Question 7	What is the mean value of 10, 10^2, 10^3, 10^4 and 10^5? • 11111 • 22222 • 33333 • 44444
Question 8	A bus is moving from place A to place B with a uniform speed. After the bus had moved 7 hours, place B is still 14 km away. If the bus can cover the remaining distance in 2 hours, then what is the total distance between A and B? • 49 km • 63 km • 98 km • 100 km

Question 9	When 75 is subtracted from 75% of a number, the result is 75. What is the value of the number? • 500 • 400 • 300 • 200
Question 10	The sum of two multiples of 5 is 65. What could be the maximum possible value of one of such multiples? • 30 • 55 • 60 • 65

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Answers

Answer 1	10
Answer 2	$\frac{1}{4}$
Answer 3	20 km
Answer 4	84 km
Answer 5	44%
Answer 6	117 kg
Answer 7	22222
Answer 8	63 km
Answer 9	200
Answer 10	60