

Logical Reasoning



Worksheet-3



STOP

A PROJECT BY PUNJAB GROUP

Worksheet-3

1. John and peter are hostel fellows too. Each of them pays the rent, according to their room's size. Peter's room is twice as big as Jon. How much rent does peter pay? If the total rent of two rooms is \$600?
A. 600
B. 400
C. 200
D. 240
2. In a recipe two liters of milk required 3 spoons of chocolate powder and whenever 4 spoons of chocolate is used their should by 5 spoons of sugar. What is the relationship b/w milk and sugar?
A. For 3 litres of 2 spoons of sugar
B. For 2 litres of milk 5 spoons of sugar
C. For 4 litres of 2 spoons of sugar
D. For 8 litres of milk 15 spoons of sugar
3. If 10 clothes are dried up together in 1 hour in how many hours can 20 clothes be dried up together?
A. 1 hour
B. 2 hours
C. 3 hours
D. 4 hours
4. In a garrison there is enough food for 800 men for 20 days. After 5 days 200 men desert. How would the food will last now:
A. 10
B. 20
C. 8
D. 40
5. If the price of petrol be raised by 12.5% , find by what percentage should a consumer decrease the consumption of petrol so that there is no change in his monthly expenditure on petrol?
A. 12.5%
B. 15%
C. $11\frac{1}{9}\%$
D. 20%
6. The average height of 10 students is 155cm . Later on it is discovered that while calculating the average, the reading of 157cm was wrongly read as 147cm . The correct average is:
A. 196
B. 154
C. 200
D. 156
7. What percent is one minute of an hour:
A) 66%
B) 1.66%
C) 60%
D) $\frac{1}{60}\%$

Logical Reasoning

8. The average of 15 numbers is 8, what will be the average if each number is decreased by 5 :
A) 8 B) 15
C) 3 D) 30
9. If $a:b:c=3:4:7$ then ratio of $(a+b+c):c$ will be equal to:
A) 2:1 B) 14:3
C) 7:2 D) 1:2
10. Maria salary is 40% more than Saleh. How much percent Saleh gets less than Maria:
A) 40% B) 60%
C) $28\frac{4}{7}\%$ D) $26\frac{1}{2}\%$

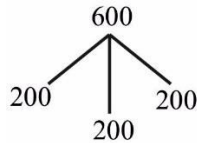
Logical Reasoning

ANSWER KEY (Worksheet-3)

1	B	6	D
2	D	7	B
3	A	8	C
4	B	9	A
5	C	10	C

ANSWERS EXPLAINED

1. Ans: (B)



$$\text{Peter} = 200 + 200 = 400$$

$$\text{Or } \Rightarrow 2:1 \Rightarrow \frac{2}{3} \times 600 = 400$$

2. Ans: (D)

$$M : C = 2 : 3$$

$$C : S = 4 : 5$$

$$8:15$$

3. Ans: (A)

Logically one hour.

4. Ans: (B)

(Logically result will be close to 20)

Men Days

$$\begin{array}{cc} 800 & 15 \\ \downarrow & \uparrow \\ 600 & x \end{array}$$

$$\frac{x}{15} = \frac{800}{600} = \frac{4}{3}$$

$$\Rightarrow x = \frac{4}{3} \times 15 = 20$$

$$(800)(15) = (600)(x)$$

$$x = \frac{800}{600} \times 15 = 20$$

5. Ans: (C)

Let price initial = 100

After increase = $100 + 12.5 = 112.5$

Required %age decrease

$$= \left(\frac{12.5}{112.5} \times 100 \right) \%$$

$$= \left(\frac{125}{1125} \times 100 \right) \% = \left(\frac{25}{225} \times 10 \right) \%$$

$$= \left(\frac{1}{9} \times 100 \right) \% = 11\frac{1}{9} \%$$

6. Ans: (D)

$$155 + \left(\frac{10}{10} \right) = 156 \text{ cm}$$

$$\text{OR } \frac{10(155) - 147 + 157}{10} = \frac{10(155) + 10}{10}$$

7. Ans: (B)

$$\left(\frac{1}{60} \times 100 \right) \% = \frac{5}{3} \% = 1.66\%$$

8. Ans: (C)

The average will decrease by 5

$$8 - \frac{15(5)}{15} = 3$$

9. Ans: (A)

$$a + b + c = 3x + 4x + 7x = 14x$$

$$(a + b + c) : c = 14x : 7x = 2 : 1$$

10. Ans: (C)

Saleh salary = 100

$$\text{Then Maria Salary} = \frac{140}{100} \times 60 = 140$$

$$\text{Now required percentage} = \left(\frac{40}{140} \times 100 \right) \%$$

$$= \frac{200}{7} \% = 28\frac{4}{7} \%$$

STOP

A PROGRAM BY PUNJAB GROUP

