

Grade- VIII

MATHS

1. Antecedent , consequent

2. 5 : 12

3. A = Rs450 , B = Rs750 , C = Rs300

4. $x=5$

5. ad, bc

$$6. \frac{4x+5}{3x+11} = \frac{13}{17}$$

$$17(4x + 5) = 13(3x + 11)$$

$$x = 2$$

7. Present ages of two persons $\longrightarrow 5x, 7x$

Eighteen years ago $\longrightarrow 5x - 18, 7x - 18$

$$\text{So, } \frac{5x-18}{7x-18} = \frac{8}{13}$$

$$13(5x - 18) = 8(7x - 18)$$

$$x = 10$$

8. $6+x, 10+x, 14+x, 22+x$ are in proportion

$$(6+x)(22+x) = (10+x)(14+x)$$

$$x = 2$$

'2' should be added

9. According to the scale

1 cm 3000000 cm

30 km

3 cm 3 X 30 km

90 km

The actual distance between the two towns is 90km

10. According to question

$$\text{Income} = 7x = 3500$$

$$x = 500$$

$$\text{Expenditure} = 6x$$

$$= \text{Rs. } 3000$$

$$\text{Saving} = \text{income} - \text{Expenditure}$$

$$= 3500 - 3000$$

$$= \text{Rs. } 500$$