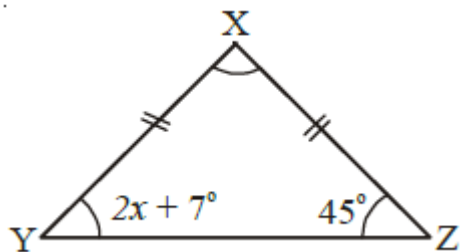## Word Problems

1. What is the height of the rectangle whose perimeter is 96 cm^2 and the length is 12 cm?

2. If 15 is subtracted from a number, it becomes -5. What is the number?

3. Renu's age is four times that of her younger brother. Five years back her age was 9 times her brother's age. Find their present ages?

4. Sum of two numbers is 70. One of the numbers is 10 more than the other number. What are the numbers?

5. The organisers of an essay competition decide that a winner in the competition gets a prize of Rs 100 and a participant who does not win gets a prize of Rs 25. The total prize money distributed is Rs 3,000. Find the number of winners, if the total number of participants is 63?

6. Find **x.**

7. There is a narrow rectangular plot. The length and breadth of the plot are in the ratio of 11:4. At the rate of Rs. 100 per meter it will cost village panchayat Rs.75000 to fence the plot. What are the dimensions of the plot? (Ans: Length = 225m and breadth = 100m)

8. The base of an isosceles triangle is 4/3 cm. The perimeter of the triangle is $4\frac{2}{15}$ cm. What is the length of either of the remaining equal sides? (Ans: $1\frac{2}{5}$)

Answers:

1. 8 cm
2. 10
3. Renus age: 32 years and Renu's brother age: 8 years
4. 30 and 40
5. 19
6. .
7. Length = 225m and breadth = 100m
8. $1\frac{2}{5}$