Proportion

1. **Find the value of 'p' in the following:**

   A. 9 : x : : 27 : 45

   B. x : 19 : : 142 : 71

   C. 196 : x : : p : x

   D. 28 : 35 : : 42 : x

2. **A jet plane requires 600 kg of fuel in 45 minutes. How much fuel would be used for a three hours flight?**

3. **80kg of sweets can be distributed among 240 people. How much sweets are required for 600 people?**

4. **Find the ratio of the price of coffee to that of tea, if the cost of coffee is ₹ 240 per kg and the cost of tea is ₹ 80 per 250 g.**

5. **Find the third proportional to 289 and 17.**

6. **Find the mean proportional to 0.4 and 0.625.**

7. **The first three terms of a proportion are 12, 36 and 27. Find the fourth proportional.**

8. **If the third proportional to 7 and x is 28, find the value of x.**