

**Subject: - Mathematics**

## **PRACTICE PAPER (MCQ) CBSE-7<sup>th</sup>**

**Topic: - Ratio & Proportion**

- The ratio between two numbers is 11 : 9. If the sum of these numbers is 40. What is the product of the numbers? **Ans. (a)**  
a) 396                      b) 432                      c) 400                      d) 384
- The sides of a triangle are in the ratio  $\frac{1}{3} : \frac{1}{4} : \frac{1}{5}$  and its perimeter is 94 cm. The length of the smallest side is: - **Ans. (c)**  
a) 18.8 cm                      b) 23.5 cm                      c) 24 cm                      d) 31.3 cm
- If  $3A = 5B$  and  $4B = 6C$ , then  $A : C$  equals: - **Ans. (a)**  
a) 5 : 2                      b) 3 : 5                      c) 2 : 5                      d) 4 : 5
- $4^{3.5} : 2^5$  is the same as: - **Ans. (a)**  
a) 4 : 1                      b) 2 : 1                      c) 7 : 5                      d) 7 : 10
- A fraction bears the same ratio to  $\frac{1}{27}$  as  $\frac{3}{7}$  does to  $\frac{5}{9}$ . The fraction is: - **Ans. (b)**  
a)  $\frac{7}{45}$                       b)  $\frac{1}{35}$                       c)  $\frac{45}{7}$                       d)  $\frac{5}{21}$
- A building cast a shadow that is 432 metres long. At the same time a person who is 2 meters long casts a shadow 6 meters long. How high is the building? **Ans. (b)**  
a) 216 m                      b) 144 m                      c) 108 m                      d) 72 m
- The third proportional to 0.8 and 0.2 is: - **Ans. (c)**  
a) 0.6                      b) 0.16                      c) 0.05                      d) 0.4
- If  $(x : y) = 3 : 4$ , then  $(7x + 3y) : (7x - 3y) = ?$  **Ans. (c)**  
a) 7 : 3                      b) 5 : 2                      c) 11 : 3                      d) 14 : 9
- What least number must be subtracted from each term of the ratio 15 : 19 to make the ratio 3 : 4 ? **Ans. (a)**  
a) 3                      b) 5                      c) 6                      d) 9
- The ages of A and B are in the ratio 5 : 2. After five years, their ages will be in the ratio 15 : 7. The present age of A is: - **Ans. (c)**  
a) 48 years                      b) 36 years                      c) 40 years                      d) 35 years