**15/06/2020** **JESUS AND MARY SCHOOL AND COLLEGE** **MODULE-7**

 **CLASS-6 (MATHS)**

 **CHAPTER NAME-RATIO AND PROPORTION**

**Note: Please refer to the video prepared for this chapter.**

**WORKSHEET-2**

**Q.1.** State which of the following are in proportion:

 i) $12 cm :15 cm and 16 km :20 km$

 ii) $25 :40 and 30 :48 $

**Q.2**. Find the value of $x,$ if the following are in proportion:

 i) $x, 4, 6 and 8$ ii) $2, 6, x and 18$

 iii) $8, x, 9 and 36$ iv) $4, 10, 42 and x$

**Q.3.** Find the value of $x,$ if the following are in continued proportion:

 i) $15, 30 and x$ ii) $4, x and 16 $

**Q.4.** Find the mean proportion between 16 and 25.

**Q.5.** Find the second term of the proportion whose first, third and fourth terms are 3, 8 and 24

 respectively.

**Q.6.** Prince types 450 words in half of an hour. How many words would he type in 7 minutes?

**Q.7.** 15 workers can build a wall in 20 days. How many workers will build the wall in 12 days?

**Q.8.** A worker is paid Rs 750 for 6 days work. If he works for 23 days, how much will he get?

**Note**- **Please do this assignment in your copies. It will be checked when the school re-opens.**

 **SOLUTION TO WORKSHEET-6**

 **(Uploaded on 08/06/2020)**

**Q.1.** Express the following ratios in the simplest form:

 i) $60 :150$ ii) $2m :350 cm $ iii) $2 hours :55 minutes$

 iv) $33 km :121 km$ v) $4.5 kg :900 g$

**Ans.1.** i) $2:5$ ii) $4:7$ iii) $24:11$ iv) $3:11$ v) $5:1$

**Q.2.** Out of 24 students in a class, 7 like tea, 13 like coffee and remaining like milk. Find the ratio of:

 i) the number of students who like milk to the number of students who like coffee.

 ii) the number of students who like tea to the number of students who like coffee.

**Ans.2.** i) 4:13 ii) 7:13

**Q.3.** The angles of a triangle are in the ratio$3:7:8$. Find the measure of each angle.

**Ans.3.** 30o, 70o, 80o

**Q.4.** Divide ₹ 480 between A and B in the ratio$1\frac{1}{2}$ $:$ $1\frac{2}{4}$

**Ans.4.** ₹ 240, ₹ 240

**Q.5.** Three numbers are in the ratio $\frac{1}{2}$ : $\frac{1}{3}$ : $\frac{1}{4}$ . If their sum is 260, find the numbers.

**Ans.5.** 120, 80, 60

**Q.6.** A field is 120m long and 80m wide. Find the ratio of its width to its length.

**Ans.6.** 2:3

**Q.7.** The monthly salary of a person is ₹15000 and his monthly expenditure is ₹ 12000. Find the

 ratio of:

 i) Salary to expenditure

 ii) Salary to saving

 iii) Saving to expenditure

**Ans.7.** i) $5:4$ ii) $5:1$ iii) $1:4$

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