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

 **CLASS-7(MATHS)**

 **CHAPTER NAME-RATIO AND PROPORTION**

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

**WORKSHEET-1**

**Q.1.** Check whether each of the following is in proportion or not.

 i) 6, 21, 12, 4 ii)

**Q.2**. Find the value of in each of the following:

 i) ii) iii) iv)

**Q.3.** Find the fourth proportion of:

 i) ii)

**Q.4.** Find the mean proportion between:

 i) ii) iii)

**Q.5.** Find the third proportion of:

 i) ii)

**Q.6.** The first second and fourth terms of a proportion are . Find the third term.

**Q.7.** The ratio of length and breadth of a field is, find its length if breadth is 56m.

**Q.8.** If 4 books cost ₹ 280, what will be the cost of 15 books?

**Q.9.** If 9, and 16 are in continued proportion, find the value of .

**Q.10.** If and then find

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

**SOLUTION TO WORKSHEET-5**

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

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

 i) ii) iii)

 iv) v)

**Ans.1.**

 **Q.2**.Which ratio is greater?

 **Ans.2.**

 **Q.3.**The angles of a triangle are in the ratio. Find each angle.

 **Ans.3.** 36o, 60o and 84o

 **Q.4.**Two numbers are in the ratio and their sum is 60. Find the numbers.

 **Ans.4.** 36, 24

 **Q.5.** A certain sum of money is divided into three parts in the ratio. If the total sum of money

 is 6300, find each part.

 **Ans.5.**  1500, 2100 and 2700

 **Q.6.** Divide 108 bottles of juice between A and B : .

 **Ans.6.** 63 bottles, 45 bottles

 **Q.7.** The sides of a quadrilateral are in the ratio and its perimeter is 40 cm. find the length

 of each side.

 **Ans.7.** 4cm, 8cm, 12cm and 16cm

 **Q.8.** The monthly salary of a person is 20,000 and his monthly expenditure is 15,000. Find

 the ratio of:

 i) Salary to expenditure

 ii) Salary to saving

 iii) Saving to expenditure

 **Ans.8.**

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