**08/06/2020** **JESUS AND MARY SCHOOL AND COLLEGE** **MODULE-6**

 **CLASS-6 (MATHS)**

 **CHAPTER NAME-RATIO AND PROPORTION**

**WORKSHEET-1**

**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) $4.5 kg :900 g$

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

1. the number of students who like milk to the number of students who like coffee.
2. the number of students who like tea to the number of students who like coffee.

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

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

**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.

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

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

 ratio of:

1. Salary to expenditure
2. Salary to saving
3. Saving to expenditure

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

**SOLUTION TO WORKSHEET-5**

 **(Uploaded on 01/06/2020)**

**Q.1.** Multiply the following:

 i) $34 and 22$ ii) $-26 and 5$ iii) $-1 and-35$ iv) $0 and 13$

**Ans.1.** i) 748 ii) – 130 iii) 35 iv) 0

**Q.2**. Divide the following:

 i) $36 by 2$ ii) $-70 by-10$ iii) $980 by-49 $ iv) $-46 by 23$

**Ans.2.** i) 18 ii) 7 iii) – 20 iv) – 2

**Q.3.** Evaluate the following:

 i) $100+\left(-23\right)+78$ ii) $-98+90-(-23)-34$

 iii) $-5×0×8$ iv) $\left(-7\right)×\left(-6\right)×\left(-5\right)×(-4)$

**Ans.3.** i) 155 ii) – 19 iii) 0 iv) 840

**Q.4.** What must be added to -23 to get 16?

**Ans.4.** 39

**Q.5.** What must be subtracted from -43 to get -11?

**Ans.5.** – 32

**Q.6.** The sum of two consecutive integers is 717. Find the integers?

**Ans.6.** 358 and 359

**Q.7.** The sum of two integers is 20. If one integers (-5), then find the other.

**Ans.7.** 25

**Q.8.** If +50 represents deposit of ₹ 50, what does -25 represent?

**Ans.8.** withdrawal of Rs 25

**Q.9.** In Buffalo, New York, the temperature was -14o F in the morning. If the temperature dropped

 by 7o F. What is the temperature now?

**Ans.9.** - 21o F

**Q.10.** Sage has a hot dog stand. Last week she spent ₹ 13 for hot dogs and supplies. She earned ₹ 25.

 What was her profit?

**Ans.10.** Rs 12

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