

MAR THOMA RESIDENTIAL SCHOOL, TIRUVALLA
FIRST TERMINAL EXAMINATION 2017-18

CLASS: VII

MATHEMATICS

TIME: $1\frac{1}{2}$ h

MAXMARKS: 80

I Fill in the blanks

1. Predecessor of -17 is _____.
2. Represent the statement "300m below the sea level" in Integers as _____.
3. $(-3) \times _ = _ \times (-3) = (-3)$.
4. 0.56 is _____%.
5. $(-125) \div (-5) =$ _____.
6. The simplest form of $\frac{26}{50}$ is _____.
7. If the cost of one notebook is 5, then the cost of 5 notebooks is _____.
8. $(-18) + 25 =$ _____.
9. _____ is the additive identity.
10. The angle which is complement to itself is _____.

(1 * 1)

II Match the following

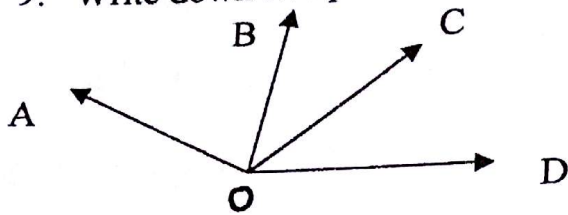
- | | | |
|--|---|------|
| 1. Multiplicative identity | - | -1/5 |
| 2. 28% | - | -26 |
| 3. $(-7) \times 4$ | - | 0 |
| 4. Successor of (-27) | - | 0.28 |
| 5. Additive inverse of 3 | - | 1 |
| 6. $8 \times \left(\frac{-1}{40}\right)$ | - | -28 |
| | - | -3 |

(1)

III Do the following with necessary steps:

1. Express the fraction $\frac{70}{25}$ as mixed fractions.
2. What percent is 25cm of 4 metres.
3. Find the complement angle of 55° .
4. Two fifth of a number is 12. Find the number.
5. Find the number if 75 is increased by 4%.
6. Simplify: $\frac{9}{4} \div 3$.
7. 4 men can do a piece of work in 5 days. How many men will do it in 4 days?
8. In three rounds of a Quiz, Arun scored 10, -5, and 13 points. Find his final score.

9. Write down two pairs of adjacent angles from the adjoining figure



(2 * 9)

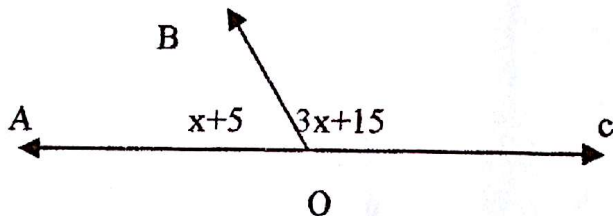
III Three mark questions

1. A typist takes 80 minutes to type 24 pages. How long will he take to type 87 pages?
2. Add 28, -152, -92
3. By what number should we multiply $\frac{4}{5}$ to get 42?
4. A man spent $\frac{2}{7}$ of his savings and still has Rs 1000 left with him. How much were his savings?
5. The ratio of pair of supplementary angles are in the ratio 3:7. Find the angles
6. Simplify using property of multiplication over addition $(-15) \times (-18) + (-15) \times 1$
7. Arrange the fractions given below in descending order $\frac{5}{6}, \frac{8}{9}, \frac{1}{3}$
8. Certain cereal contains 12% protein. Find the quantity of protein present in 14kg

(3 * 8)

V Four mark questions

1. An alloy consists of 13 parts of copper, 7 parts of zinc, 2 parts of sodium and 3 parts of nickel. What is the percentage of each metal in the alloy?
2. In the given figure AC is a straight line. Find i) x ii) $\angle AOB$ iii) $\angle BOC$



3. Simplify $-\frac{5}{5} + \frac{1}{3} + \frac{2}{5}$
4. The price of a car is lowered by 20% to Rs 40,000. What was the original price? Also find the reduction in price?
5. Subtract the sum of -60 and 92 from -25

(5)