

KENDRIYA VIDYALAYA IIT, CHENNAI – 36

SUMMER HOLIDAY HOME WORK 2016-17

CLASS – VII

MATHEMATICS

1. In a quiz, positive marks are given for correct answers and negative marks are given for incorrect answers. If Ram scores in five successive rounds were 35, -5, -15, 25, and 10. What was his total at the end?
2. Verify $a - (-b) = a + b$ for the following values of a and b,
a=118, b = 125
3. A plane flying at the height of 5000m above the sea level. At a particular point, it is exactly above a submarine floating 800m below the sea level. What is the vertical distance between them?
4. Write a pair of integers whose difference is -4.
5. Find the product of (1) $(-1) \times 225$
(2) $(-12) \times (-11) \times 10$
6. Replace the blank with n Integer to make it true statement (1) $___ \times (-8) = - 56$
(2) $___ \times (-12) = 132$
7. The temperature at 12 noon was 10°C above Zero. If it decreases at the rate of 2°C per hour unit mid-night, at what time would the temperature be 8°C degrees below zero? What would temperature at mid-night?
8. Solve: $- 8 \frac{1}{2} - 3 \frac{5}{8}$
9. A rectangle sheet of paper is $12 \frac{1}{2}$ cm long and $10 \frac{2}{3}$ cm wide. Find its perimeter?
10. Multiply and express as a mixed fraction:
(1) $3 \times 5 \frac{1}{5}$ (2) $3 \frac{2}{5} \times 8$
11. Which is greater $\frac{2}{7}$ of $\frac{3}{4}$ or $\frac{3}{5}$ of $\frac{5}{8}$?
12. Find: $\frac{4}{9}$ divided by $\frac{2}{3}$
13. What is the measure of the complement of the following angles : (a) 65° , (b) 54°.
14. Identify which of the following pairs of angles are complementary and which are supplementary: (a) 65°, 115° (b) 80° , 10°.
15. Write down the tables from 6 table to 20 tables. (3 times).

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