

Home Work for Summer Vacation, 2017.

Class - VII Sub - Mathematics.

- write down a pair of integers whose
(a) sum is -7 (b) difference is -10 . (c) sum is 0 .
- write a pair of ^{negative} integers whose difference gives 8 .
(b) write a negative integer and a positive integer whose sum is -5 .
(c) write a negative integer and a positive integer whose difference is -3 .
- Find each of the following products:
(a) $3 \times (-1)$ (b) $(-15) \times (-6) \times (-18)$ (c) $9 \times (-3) \times (-6)$
(d) $(-3) \times (-6) \times (-2) \times (-1)$
- Verify the following
(a) $18 \times [7 + (-3)] = [18 \times 7] + [18 \times (-3)]$
(b) $(-21) \times [(-4) + (-6)] = [(-21) \times (-4)] + [(-21) \times (-6)]$
- Determine the integer whose product with (-1) is
(a) -22 (b) 37 (c) 0 .
- Find the product, using suitable properties -
(a) $26 \times (-48) + (-48) \times (-36)$
(b) $(-17) + (-29)$
- Evaluate each of the following -
(a) $(-30) \div 10$, (b) $50 \div (-5)$ (c) $(-36) \div (-9)$
(d) $(-49) \div (49)$ (e) $13 \div [(-2) + 1]$ (f) $0 \div (-12)$
(g) $(-31) \div [(-30) + (-1)]$ (h) $[(-36) \div 12] \div 3$.
(i) $[(-6) + 5] \div [(-2) + 1]$
(8) In a class Test $(+3)$ marks are given for every correct answer and (-2) marks are

given for every incorrect answer and no marks for not attempting any question.

(i) Radhika scored 20 marks. If she has got 12 correct answers, how many questions has she attempted incorrectly? (ii) Mohini scores -5 marks in this test though she has got 7 correct answers. How many questions has she attempted incorrectly?

9. Solve

(i) $2 - \frac{2}{5}$ (ii) $4 + \frac{7}{8}$ (iii) $\frac{3}{5} + \frac{2}{7}$ (iv) $\frac{9}{11} - \frac{4}{15}$

(v) $\frac{7}{10} + \frac{2}{5} + \frac{3}{2}$ (vi) $2\frac{2}{3} + 3\frac{1}{2}$ (vii) $8\frac{1}{2} - 3\frac{5}{8}$

10. Arrange the following in descending order

$$\frac{2}{9}, \frac{2}{3}, \frac{8}{21}$$

11. A rectangular sheet of paper is $12\frac{1}{2}$ cm long and $10\frac{2}{3}$ cm wide. Find its perimeter.

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