

ATOMIC ENERGY CENTRAL SCHOOL # 3, RAWATBHATA

Pre Mid Test (2018-19)

Subject: Maths

Class-VII

Time: 1½ Hour

(1 x 10 = 10)

Q.1 Fill in the blanks.

- (a) The product of two negative integers is _____ integer.
 (i) positive (ii) negative (iii) zero (iv) None of these
- (b) $(-5) + (-8) = (-8) + \underline{\hspace{2cm}}$.
 (i) -5 (ii) -8 (iii) 5 (iv) 8
- (c) $(-8) \div (-2) = \underline{\hspace{2cm}}$.
 (i) -8 (ii) -2 (iii) 4 (iv) 5
- (d) The product of 8 negative integers and a positive integer is _____.
 (i) positive (ii) negative (iii) zero (iv) None of these
- (e) A fraction with numerator greater than denominator is called _____.
 (i) proper fraction (ii) improper fraction (iii) like fraction (iv) unlike fraction
- (f) $\frac{2}{3} + \frac{3}{5} = \underline{\hspace{2cm}}$.
 (i) $\frac{12}{15}$ (ii) $\frac{19}{15}$ (iii) $\frac{2}{10}$ (iv) $\frac{2}{9}$
- (g) $\frac{8}{9} \div 8 = \underline{\hspace{2cm}}$.
 (i) $\frac{1}{9}$ (ii) $\frac{2}{9}$ (iii) $\frac{8}{9}$ (iv) $\frac{3}{5}$
- (h) $\frac{6}{7}$ of 56 = _____.
 (i) 12 (ii) 15 (iii) 48 (iv) 36
- (i) Two fractions are called reciprocals of each other if their product is _____.
 (i) 1 (ii) 2 (iii) -1 (iv) -2
- (j) The number which occurs the most in a data is called _____.
 (i) tally marks (ii) total marks (iii) line (iv) line segment

Q.2 Do as directed.

(2 x 9 = 18)

- (a) There are 6 marbles in a box with numbers 1 to 6 marked on each of them.
 (i) What is the probability of drawing a marble with number 5?
 (ii) What is the probability of drawing a marble with number 4?
- (b) Find the mean of the first 5 whole numbers.
- (c) Find the mode of the data: 6, 8, 5, 15, 15, 6, 8, 13, 15, 16, 15, 15.
- (d) The runs scored in a cricket match by the 11 players of a team are as follows:
 6, 15, 120, 50, 100, 80, 10, 15, 8, 10, 15
 Find the mode and median of the data.
- (e) Express 5 cm in units of metre and kilometre.
- (f) Find the value of $76.5 \div 0.15$
- (g) Find $3\frac{1}{5} \div 1\frac{2}{3}$
- (h) Use the sign of >, < or = in the blank to make the statement true.
 $-231 + 79 + 51$ $-399 + 159 + 81$
- (i) Find the product using property.
 $625 \times (-35) + (-625) \times 65$

Q3. Solve

(3 x 4 = 12)

- (a) A cement company earns a profit of Rs 8 per bag of white cement sold and a loss of Rs 5 per bag of grey cement sold. What is the number of white cement bags it must sell to have neither profit nor loss, if the number of grey bags sold is 6,400 bags?
- (b) Salil plants 4 saplings, in a row, in her garden. The distance between two adjacent saplings is $\frac{3}{4}$ m. Find the distance between the first and the last sapling.
- (c) Consider the data collected from a survey of a colony.

Favourite Sport	Cricket	Basket Ball	Swimming	Hockey	Athletics
Watching	1240	470	510	430	250
Participating	620	320	320	250	105

Draw a double bar graph choosing the appropriate scale. Which sport is most popular?

- (d) Shyama bought 5kg300g apples and 3kg250g mangoes. Sarala bought 4kg800g oranges and 4kg150g bananas. Who bought more fruits?