

INDIAN SCHOOL NIZWA
MATHEMATICS -WORKSHEET
CH 1: INTEGERS

DATE: _____

NAME: _____

CLASS: VII

1. The predecessor of -99 is _____.
2. The successor of $-270 =$ _____.
3. Three positive integers \times eight negative integers gives _____ integer.
4. List any three pairs of additive inverses which lie between -4 and $+4$
5. What is the additive inverse of $1,001$
6. Simplify
 - a) $85 - (-15) + (-65)$
 - b) $(-10) \times (+2) \times (-5) \times (-3)$
7. Find the value of
 - a) $120 - 12[3 - 4\{2 \times 3 - 2 \times (-8)\}]$
 - b) $-7 + 2 \times (-3) + 3 - (-10) - 48 \div (-6)$
8. Simplify $(-4) \times (-22) \times 4 \times (-3)$.
9. Simplify using distributive property
 - a) $(-63) \times 36 + (-63) \times 64$
 - b) $40 \times (-20) - (-40)$
10. A submarine moved from the water surface at a speed of (-20) m per minute. How far is the submarine from the water surface at the end of 7 minutes? [hint: take the water level as zero].
11. Suppose we represent the distance above the ground by a positive integer and that below the ground by a negative integer, then answer the following.
 - i) An elevator descends into a mine shaft at the rate of 4 metre per minute. What will be its position after 45 minutes?
 - ii) if it begins from 25 m above the ground, what will be its position after 1 hour?

- INDIAN SCHOOL N.W.A
MATHEMATICS WORK SHEET
CLASS: VIII DATE: _____
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12. Every floor of a 104 storey skyscraper is 4 m high. If a balloon rises 3 m every second, how long will it take to rise from the 36th floor to the 96th floor?
13. In a class test containing 15 questions, 4 marks are given for every correct answer and (−2) marks are given for every incorrect answer. Guru attempts all questions but only 9 of his answers are correct. What is his total score?
14. A shop keeper earns a profit of Rs 2 by selling one hair band and incurs a loss of 60 paise per bracelet while selling bracelets of her old stock.
- i) in a particular month she incurs a loss of Rs 6. In this period, she sold 30 hairbands. How many bracelets did she sell in this period?
- ii) in the next month she earns neither profit nor loss. If she sold 21 hairbands, how many bracelets did she sell?

INDIAN SCHOOL NIZWA
MATHEMATICS - WORKSHEET
CH 2: FRACTIONS AND DECIMALS

DATE: _____

NAME: _____

CLASS: VII

Assignment - 2

Fractions And Decimals

Q.1. A bucket contains $24\frac{3}{4}$ litres of water. How many $\frac{3}{4}$ litre jugs can be filled from the bucket to get it emptied?

Q.2. A carton contains 40 boxes of nails and each box weighs $3\frac{3}{4}$ kg. How much would a carton of nails weigh?

Q.3. Do as directed

(i) $4 - 1\frac{2}{3}$

(ii) $\frac{1}{4}$ of a rupee

(iii) $2\frac{6}{7} \div 15$

(iv) $10.199 \div 4.7$

Q.4. Fill in the blanks:-

(i) $2\frac{3}{4} + 3\frac{1}{5} = 3\frac{1}{5} + \underline{\hspace{2cm}}$.

(ii) $(\frac{2}{3} + \frac{3}{5}) + \frac{3}{4} = \underline{\hspace{2cm}} + (\frac{3}{5} + \frac{3}{4})$

(iii) $8\frac{1}{3} + 0 = \underline{\hspace{2cm}}$.

Q.5. If I go to school on bicycle it takes me $\frac{1}{4}$ hour and if I go on foot it takes me

$\frac{3}{8}$ hour. Find the time taken if I go on bicycle and return on foot.

Q.6. $\frac{3}{8}$ of Rs. 1240 were spent on food. Find the money spent on food.

Q.7. 20 litres of milk was divided equally among some children. If each child got $\frac{1}{4}$ litre of milk, find the number of children.

Q.8. Fill in the blanks:-

(i) $0.03 \times \underline{\hspace{2cm}} = 3$

(ii) $11.11 \times 7.3 = \underline{\hspace{2cm}}$

(iii) $1.3 \times (\underline{\hspace{2cm}} \times 2.6) = (1.3 \times 7.96) \times 2.6$

(iv) $108.54 \div 9 = 1085.4 \div \underline{\hspace{2cm}}$

(v) $0 \div 17.3 = \underline{\hspace{2cm}}$

(vi) $231.61 \div 100 = \underline{\hspace{2cm}}$

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Q.1. Fill in the blanks-

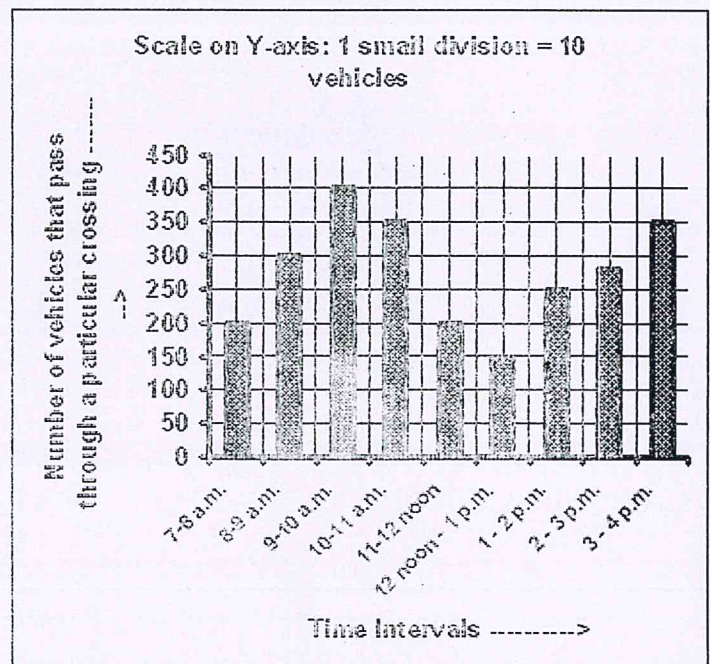
- (i) Collection of all the observations is called _____.
- (ii) The difference between the highest and the lowest values of the observations in the given data is called its _____.
- (iii) _____ is calculated by dividing the sum of all the observations by the total number of observations.
- (iv) The _____ of a set of observations is the observation that occurs most often.
- (v) _____ refers to the value which lies in the middle of the data (when arranged in an increasing or decreasing order).
- (vi) A _____ graph is a representation of numbers using bars of uniform widths.

Q.2. Find the MEAN of the following:

- (i) 3,5,2,6,5,9,5,2,7,4 and 6
- (ii) First 8 odd numbers.
- (iii) First 10 two digit numbers.
- (iv) First seven multiples of 9.
- (v) 3, -7, 5, -13 and -2.

Q.3. Read the bar graph in figure and answer the following questions:

- (i) What information is given by the bar graph?
- (ii) When is the hourly traffic maximum? Also write the maximum number of vehicles.
- (iii) When is the hourly traffic minimum? Also write the minimum number of vehicles.
- (iv) Find the total number of vehicles.



Bar graph shows the number of vehicles passing through a particular road crossing in Delhi.

Q.4. Following data shows the favourite snacks item of different students.

Favourite Snacks	Burger	Finger Chips	Pizza	Sandwich	Garlic bread
Number of Student	48	19	55	49	34

Draw the bar graph of the given data and with the help of the same, answer the following:

- Which is the most preferred and the least preferred snack item?
- How many items are there in all?
- How many students consider pizza and burger as their favourite food item?

Q.5. If the mean of 6, 4, 7, p and 10 is 8, find the value of p .

Q.6. What is the median length of the following set of tapes?
12m, 20m, 14m, 24m, 8m, 16m, 14m.
Also find the mode of the above data.

Q.10. Arithmetic mean of 6, 7, 11, 8, X , 3, 8, 14 is 8. Find X .

Q.11. The mode of 2, 2, 5, 9, 7, 11, 10, 9, 9, 10, 12 and 18 is
(a) 2 (c) 7
(b) 5 (d) 9