

CLASS 7

SUBJECT ENRICHMENT ACTIVITY (SEA):

PREPARE TWO MAGIC SQUARES EACH USING

(i) INTEGERS

(ii) FRACTIONS

HOLIDAY HOME WORK

Question 1:

Evaluate:

- (i) $15 + (-8)$
- (ii) $(-16) + 9$
- (iii) $(-7) + (-23)$
- (iv) $(-32) + 47$
- (v) $53 + (-26)$
- (vi) $(-48) + (-36)$

Question 2:

Simplify:

- (i) $(-8) \times 9 + (-8) \times 7$
- (ii) $9 \times (-13) + 9 \times (-7)$
- (iii) $20 \times (-16) + 20 \times 14$
- (iv) $(-16) \times (-15) + (-16) \times (-5)$
- (v) $(-11) \times (-15) + (-11) \times (-25)$
- (vi) $10 \times (-12) + 5 \times (-12)$
- (vii) $(-16) \times (-8) + (-4) \times (-8)$
- (viii) $(-26) \times 72 + (-26) \times 28$

Question 3:

Find each of the following products:

- (i) $(-4) \times (-5) \times (-8) \times (-10)$
- (ii) $(-6) \times (-5) \times (-7) \times (-2) \times (-3)$
- (iii) $(-60) \times (-10) \times (-5) \times (-1)$
- (iv) $(-30) \times (-20) \times (-5)$
- (v) $(-3) \times (-3) \times (-3) \times \dots 6 \text{ times}$

Question 4:

In a class test containing 10 questions, 5 marks are awarded for every correct answer and (-2) marks are awarded for every incorrect answer and 0 for each question not attempted.

- (i) Ravi gets 4 correct and 6 incorrect answers. What is his score?
- (ii) Reenu gets 5 correct and 5 incorrect answers. What is her score?
- (iii) Heena gets 2 correct and 5 incorrect answers. What is her score?

Question 5:

Reenu got $\frac{27}{100}$ part of an apple while Sonal got $\frac{45}{100}$ part of it. Who got the larger part and by how much?

Question 6:

A rectangular sheet of paper is $15\frac{3}{4}$ cm long and $12\frac{1}{2}$ cm wide. Find its perimeter.

Question 7:

A piece of wire $3\frac{3}{4}$ m long broke into two pieces. One piece is $1\frac{1}{2}$ m long. How long is the other piece?

Question 8:

Apples are sold at Rs 18 $\frac{25}{100}$ per kg. What is the cost of $3\frac{3}{4}$ kg of apples?

Question 9:

One tin holds $12\frac{3}{4}$ litres of oil. How many litres of oil can 26 such tins hold?

Question 10:

Sapna earns Rs 12000 per month. She spends $\frac{7}{8}$ of her income and deposits rest of the money in a bank. How much money does she deposit in the bank each month?

Question 11:

When a die is thrown, list the outcomes of an event of getting a prime number.

Question 12:

When a die is thrown, list the outcomes of an event of getting a composite number.

Question 13:

The table shows the heights of the students in Mr. Jivesh's class. Find the median of the data.

| Height (In inches) | Number of students |
|--------------------|--------------------|
| 57 | 3 |
| 58 | 5 |
| 59 | 4 |
| 60 | 2 |
| 61 | 7 |
| 62 | 6 |
| 63 | 3 |
| 64 | 5 |

Question 14:

Find the median of the data set, which shows the weights (in pounds) of 10 students in Mr. Brij's class.

61, 56, 60, 57, 62, 63, 63, 63, 58 and 73

Question 15:

The number of absentees in class VIII was recorded in a particular week. Represent this data on the bar graph

| Days | Mon. | Tues. | Wed. | Thurs. | Fri. | Sat. |
|---------------------|------|-------|------|--------|------|------|
| Number of Absentees | 130 | 120 | 135 | 130 | 150 | 80 |

(a) On which day the maximum and minimum students were absent?

(b) How many students were absent on Wednesday and Friday?

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