

# INTERNATIONAL INDIAN SCHOOL, RIYADH.

CLASS VII

SUBJECT: MATHEMATICS

SA1 WORK SHEET

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## I. FILL IN THE BLANKS:

- 1)  $a + b = b + a$  is \_\_\_\_\_ property.
- 2) \_\_\_\_\_  $\div 1 = (-92)$
- 3)  $(a + b) + c = a + (b + c)$  is \_\_\_\_\_ property.
- 4)  $30 \div (-3) =$  \_\_\_\_\_
- 5)  $5 \times$  \_\_\_\_\_  $= (-35)$
- 6) \_\_\_\_\_  $\div 4 = (-3)$
- 7) \_\_\_\_\_  $\times (-8) = (-56)$
- 8)  $0 \div (-14) =$  \_\_\_\_\_
- 9)  $(-4) \times (-3) =$  \_\_\_\_\_
- 10)  $a(b + c) = (a \times b) + (a \times c)$  is \_\_\_\_\_ property.
- 11)  $4(2y - 5) = 20$ , so  $2y - 5 =$  \_\_\_\_\_
- 12)  $3x + 7 = 2x - 9$ , so  $x =$  \_\_\_\_\_
- 13)  $8/9x = 24$ , then  $x =$  \_\_\_\_\_
- 14)  $7/10y = 49/100$ , then  $y =$  \_\_\_\_\_
- 15)  $6x + 3 = 8$ , so  $6x =$  \_\_\_\_\_
- 16) A figure has \_\_\_\_\_ if there is line about which the figure may be folded so that two equal parts obtained.
- 17) A regular hexagon has the \_\_\_\_\_ lines of symmetry.
- 18) A regular pentagon has the \_\_\_\_\_ lines of symmetry.
- 19) A square has \_\_\_\_\_ lines of symmetry.
- 20) An equilateral triangle has \_\_\_\_\_ lines of symmetry.

## II. MULTIPLE CHOICE QUESTIONS:

- 1) Which is the least number ?  
(a) 0 (b) (-2) (c) 3 (d) 5
- 2) Which of the following equals 18 ?  
(a)  $36 \div (-3)$  (b)  $(-36) \div 2$  (c)  $(-36) \div (-2)$  (d)  $9 \times (-2)$
- 3) Which is the greatest number ?  
(b) (-10) (b) (-5) (c) 5 (d) (-30)
- 4) Which of the following is same as  $(-3 \times -4) \times -6$   
(a)  $(-3 \times 6) \times (-4)$  (b)  $(-4 \times -6) \times (-3)$  (c)  $(-4 \times 6) \times (-3)$  (d)  $(4 \times 6) \times 3$
- 5) Which of the following is not an integer ?  
(a) 0 (b) (-7) (c)  $\frac{3}{4}$  (d) 8

## III. ANSWER THE FOLLOWING QUESTIONS:

- 1) Write down a pair integers whose  
(a) Sum is (-3) (b) Difference is 2 (c) Sum is 0
- 2) Verify  $a - (-b) = a + b$  for the following values:  
(a)  $a = 3, b = 12$  (b)  $a = 50, b = 4$
- 3)  $53 \times 47 + 53 \times 31 + 22 \times 53$
- 4) Solve the following:  
(a)  $18 + (-22)$  (b)  $(-16) + (-7)$  (c)  $-18 - (-8)$
- 5) Multiply the following:  
(a)  $20 \times (-5)$  (b)  $(-16) \times (-3)$  (c)  $6 \times (-4)$  (d)  $(-17) \times 3$
- 6) Divide the following:  
(a)  $92 \div (-4)$  (b)  $(-34) \div 2$  (c)  $(-51) \div (-3)$  (d)  $(-64) \div (-8)$
- 7) Rohit started a business with Rs. 2400 in January. He gained Rs. 600 in January, lost Rs. 450 in February, gained Rs. 800 in March and lost Rs. 200 in April. State all these gains and losses as gain and add to find money left with Rohit at the end of April.
- 8) Find the product, using suitable property.  
(a)  $8 \times 53 \times (-125)$  (b)  $625 \times (-35) + (-625) \times 65$  (c)  $(-17) \times (-29)$  (d)  $7 \times (50 - 2)$
- 9) In a test (+5) marks are given for every correct answer and (-2) marks are given for every incorrect answer (i) Elen answered all the questions and scored 30 marks though he got 10 correct answers. (ii) Febin also answered all the questions and scored (-12) marks though he got 4 correct answers. How many incorrect answers had they attempted ?

10) Find:

(a)  $11.2 \times 0.15$  (b)  $10.05 \times 1.06$  (c)  $0.03 \times 1000$

11) (a) Express 6 cm. in metre and kilometre.

(b) Express 40 mm. in centimetre, metre and kilometre.

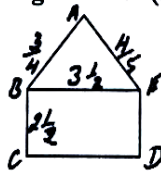
(c) Express in kg. (i) 3470 g. (ii) 5 kg 6 g.

12) Find: (a)  $2\frac{1}{5} \div 1\frac{1}{5}$  (b)  $2\frac{1}{3} \div \frac{3}{5}$

13) Multiple and express as a mixed fraction:

a)  $4 \times 6\frac{1}{4}$  (b)  $3\frac{2}{5} \times 8$  (c)  $\frac{1}{2} \times 4\frac{2}{9}$

14) Find the perimeter of (i) Triangle ABE (ii) A rectangle BCDE in the figure. Whose perimeter is greater.



15) Arrange in descending order:

(a)  $\frac{4}{5}, \frac{6}{5}, \frac{3}{4}$  (b)  $\frac{4}{7}, \frac{2}{3}, \frac{3}{2}$

16) Solve: (a)  $2\frac{2}{5} + 3\frac{1}{2}$  (b)  $8\frac{1}{3} - 3\frac{5}{8}$

17) Kevin solved  $\frac{3}{7}$  part of an exercise while Divya solved  $\frac{4}{5}$  of it, who solved lesser part ?

18) Solve: (a)  $8y-3 = 13$  (b)  $\frac{2x}{3} = 4$  (c)  $\frac{2x+3}{4} = 5$

19) When a number is doubled and the result is diminished by 4 we get 16. What is the number ?

20) In an isosceles triangle, the measure of the length of one side is 87 less than 4 times the length of the equal sides. If the perimeter of the triangle is 63 cm., find the sides of the triangle.

21) The perimeter of a rectangle is 48 cm. The length is 3 more than twice the breadth. Find the length and the breadth ?

22) Find the mean and mode and median of the data:

25, 19, 20, 23, 20, 9, 10, 15, 16, 5, 20, 25, 12, 24, 20.

23) The teacher takes the scores of 5 weakest students in quarterly and in the half yearly tests out of 25 marks.

Students	Rohit	Febin	Kevin	Mobin	Moosa
Quarterly	20	9	12	15	10
Half yearly	18	15	21	16	15

Draw the double bar graph choosing an appropriate scale.

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