

INTERNATIONAL INDIAN SCHOOL DAMMAM

MATHS WORKSHEET 2018-19

CLASS VI

KNOWING OUR NUMBERS

1. **Round off the following measures to nearest hundreds**
 - a) Rs 666
 - b) 1, 265 KM
 - c) Rs 9, 080
 - d) 2, 486 m
2. **Insert commas suitably and write the number names in Indian System and International System**
 - a) 209343381
 - b) 43900543
 - c) 10060070
 - d) 751492009
 - e) 789409090
 - f) 263843126
 - g) 38542635
 - h) 2486523
 - i) 36826856
 - j) 50827328
3. **Write the following in figures**
 - a. Six million, four hundred and eleven thousand, two hundred and sixty
 - b. Sixty-five million, one hundred and sixteen thousand, five hundred and five
 - c. Six hundred thousand, two hundred and fifteen
 - d. One hundred and sixteen million, One hundred and ten thousand, and thirty-nine
 - e. Fifty-five million, four hundred and sixty thousand, nine hundred and two
 - f. Fifty thousand, two hundred and four
 - g. Eight lakh, ten thousand, three hundred and fifteen
 - h. Forty-three lakhs, fifteen thousand, eight hundred and five
 - i) Six crore, ten lakh, thirteen thousand, two hundred and eleven
 - ii) Eighteen crore, fifteen lakh nine thousand, three hundred and six
 - iii) Forty-two lakh, three thousand, two hundred and nine
4. **Word Problems**
 - a) Population of Agra and Aligarh districts in the year 2001 was 36,20, 436 and 29,92,286, respectively. What was the total population of the two districts in that year?(Ans: 66,12,722)
 - b) In one state, the number of bicycles sold in the year 2002-2003 was 7,43,000. In the year 2003-2004, the number of bicycles sold was 8,00,100. In which year were more bicycles sold? and how many more?(Ans: 57,100)
 - c) A librarian placed an order for 250 books. Each book cost Rs 90. If he had Rs. 25000, how much would be left with him after purchase ?(Ans: Rs. 2500)
 - d) 5 l 625 ml milk is poured into a bottles. If each bottle holds 125 ml of milk, then find the total number of bottles required.(Ans: 45 bottles)
5. **Estimate**
 - a) Estimate and find the product by rounding off to nearest tens: 3239×23
 - b) Estimate and find the value of $5998 - 599$ by rounding off to nearest hundreds
 - c) Estimate the value by rounding off to nearest hundreds $996 + 314 - 567$
 - d) Estimate the product by rounding off to nearest thousands 2190×7540
 - e) Estimate the sum by rounding off to nearest thousands $6,404 + 7, 805 + 2, 573$
 - f) Estimate the product of 677×833 by rounding off to nearest hundreds

13. Evaluate the following:

- | | |
|---|--|
| a) $496 \times 13 + 496 \times 87$ | e) $569 \times 17 + 569 \times 13 + 569 \times 70$ |
| b) $6297 \times 45 + 6297 \times 55$ | f) $(15 \times 98) - (14 \times 28)$ |
| c) $631 \times 10 \times 1867 - 867 \times 6310$ | g) $(38 \times 27) + (62 \times 27)$ |
| d) $2389 \times 220 - 2389 \times 18 - 2389 \times 2$ | h) $(183 \times 73) - (27 \times 183)$ |

14. For the school fun fair, a ticket costs Rs. 20. There are 25 students in each class and each student bought a ticket. If there are 50 classes in the school, then how much money was collected by the sale of tickets? (Ans: Rs. 25000)
15. A shopkeeper sells a shirt for Rs. 575 and a trouser for Rs. 750. How much amount will be receive if he sells 7 shirts and 7 trousers? (Ans: Rs. 9275)
16. There are two whole numbers which when multiplied by itself gives the same number. What are they? (Ans: 1)
17. In a school, there are four sections of class VI. Each section has 50 students. Money collected for picnic from each student is Rs. 125. Find the total amount collected. (Ans: Rs. 25000)
18. A fruit shop sells 58 kg of apple on one day and 52 kg of apples the next day. If he sells the apples at Rs. 65 per kg, how much money did he make? (Ans: Rs. 7150)
19. There are 15 classes in a school. In each class, there are 22 boys and 28 girls. Find the total number of students in the school? Which property of whole numbers would you use to quickly find the answer? (Ans: 750 students)
20. Jessica bought a top for Rs. 520 and a pant for Rs. 890. How much amount will she pay if she buys 2 tops and 2 pants? (Ans: Rs 2820)

INTERNATIONAL INDIAN SCHOOL – DAMMAM
MATHEMATICS WORKSHEET 2018 – 2019
CLASS VI - PLAYING WITH NUMBERS

1. Write all the factors of each of the following:
a) 68 b) 125 c) 512 d) 729
2. Write first 4 multiples of a) 4 b) 6 c) 12
3. Write all the prime numbers between 10 and 30.
4. Write five pairs of prime numbers between 5 and 25 whose sum is divisible by 5.
5. Using divisibility tests, determine which of the following numbers are divisible by 11.
a) 8756213 b) 376948 c) 97526341
6. Test the divisibility of the following numbers by 4; by 8:
a) 2359176 b) 9600 c) 12000 d) 543092
7. Test the divisibility of the following numbers by 6:
a) 37524 b) 10428 c) 98157 d) 56132
8. Using divisibility tests, determine which of the following numbers are divisible by 3; by 9 :
a) 64971 b) 921378 c) 890127 d) 79501824
9. Find the common factors of a) 20, 24 and 32 b) 25, 40 and 75.
10. Find first three common multiples of a) 8 and 14 b) 9 and 7.
11. Which of the following numbers are co-prime.
a) 18 and 25 b) 28 and 87 c) 98 and 140
12. Write the smallest 6 - digit number and express it in terms of its prime factors.
13. Find the prime factorisation of a) 384 b) 1092
14. Find the HCF of the following numbers :
a) 180, 252, 324 b) 78, 84, 96 c) 300, 396
15. Find the LCM of the following numbers :
b) 18, 24, 32 b) 84, 90, 120

16. Find the least number which when divided by 16, 18, 20 and 25 leaves a remainder 4 in each case.
17. Find the smallest 5 - digit number which is divisible by 12, 15 and 18.
18. Find the greatest 4 - digit number which is divisible by 16, 18 and 32.
19. A seamstress has three colours of ribbon; the red is 126cm, the blue is 196cm and the green is 378cm long. She wants to cut them up so they are all the same length, with no ribbon wasted. What is the greatest length, in cm, that she can make the ribbons? (Ans: 2 cm).
20. Find the least length of a rope which can be cut into whole number of pieces of lengths 45cm, 75cm and 81cm. (Ans: 2025 cm).
21. On a track for remote-controlled racing cars, racing car A completes the track in 28 seconds, while racing car B completes it in 24 seconds. If they both start at the same time, after how many seconds will they be side by side again. (Ans: 168 seconds).
22. A shopkeeper has three cakes of weights 18 kg, 45 kg and 36 kg. If he wants to make these cakes into pieces of equal weight without wastage, what is the maximum possible weight of each piece?
(Ans: 9 kg).

INTERNATIONAL INDIAN SCHOOL, DAMMAM
MATHS WORKSHEET 2018-19
CLASS VI INTEGERS

1. Write the successor of (a) -5 (b) 11 (c) -3 (d) 0 (e) -1
2. Write the predecessor of (a) -2 (b) 10 (c) -1 (d) 0 (e) -7
3. Write the following numbers with appropriate sign:
 - (a) 150 m below the sea level
 - (b) 10°C above 0°C temperature
 - (c) 25°C below 0°C temperature
 - (e) Profit of Rs. 250
4. Write opposite of the following
 - (a) Increase in weight
 - (b) 20 km south
 - (c) Loss of Rs. 300
 - (e) Deposit of Rs. 500
5. Represent the following numbers on a number line
 - (a) +5 (b) -8 (c) -1 (d) +10 (e) -7
6. In each of the following pairs which number is to the right of the other on the number line?
 - (a) 3, 9 (b) -2, -6 (c) 2, -2 (d) 0, -1 (e) -11, 10
7. Write all the integers between the given pairs (write them in the ascending order.)
 - (a) 0 and -8 (b) -6 and 6 (c) -8 and -15 (d) -12 and -18
8. (a) Write five negative integers greater than -10
(b) Write five negative integers greater than -15
9. Draw a number line and answer the following
 - (a) Which number will we reach if we move 6 numbers to the right of -3
 - (b) Which number will we reach if we move 5 numbers to the left of 1
 - (c) If we are at -6 on the number line, in which direction should we move to reach -12?
 - (d) If we are at -5 on the number line, in which direction should we move to reach -1?
10. Using the number line write the integers which is:
 - (a) 3 more than 2 (b) 5 more than -5 (c) 5 less than 3 (d) 3 less than -2
11. Use number line and add the following integers
 - (a) $8 + (-3)$ (b) $(-2) + (-7)$ (c) $(-1) + (-2) + (-3)$ (d) $(-2) + 6 + (-4)$

12. Add without using number line:

(a) $12 + (-8)$; (b) $(-13) + (+18)$; (c) $(-250) + (+150)$ (d) $(-235) + (-178)$

13. Find the sum of (a) $-20, 35, -120$ and 60 (b) $-325, 36$ and 120

14. Find the sum:

(a) $(-8) + (-9) + 4 + 16$; (b) $54 + (-5) + (-45) + (-30) + (-6)$

15. Solve:

(a) $65 - (20)$; (b) $67 - (90)$; (c) $(-20) - (13)$; (d) $(-54) - (-40)$

16. Fill in the blanks with $<$, $>$ or $=$ sign

(a) $(-4) + (-6)$ $(-4) - (-6)$

(b) $(-30) - (-10)$ $(-31) + (-29)$

(c) $(-25) - (-42)$ $(-42) - (-25)$

(d) $65 - (-11)$ $77 + (-4)$

(e) $45 + (-21)$ $(-45) - (-21)$

17. Fill in the blanks:

(a) $(-10) + \dots = 0$

(b) $12 + \dots = 0$

(c) $15 + (-15) = \dots$

(d) $\dots - 15 = -10$

(e) $(-4) + \dots = -15$

18. Find

(a) $(-8) - 10 - (-20)$

(b) $(-15) + 35 - 5 - 2$

(c) $(-6) + (-18) + (-82)$

(d) $90 - (-35) - (-5)$

(e) $17 - (-10) + 20 - (-2)$

INTERNATIONAL INDIAN SCHOOL-DAMMAM
MATHS WORKSHEET (2018-19)

CLASS VI UNDERSTANDING ELEMENTARY SHAPES

(I) FILL IN THE BLANKS

1. The angle name for half a revolution is _____.
2. The line segments forming a polygon are called its _____.
3. The meeting point of a pair of sides is called a _____.
4. The lines which do not intersect and have equal distance between them are called _____.
5. A figure is a _____ if it is a simple closed figure made up entirely of line segments.
6. If two lines intersect each other then the common point between them is known as _____.
7. A line has _____ length.
8. Each angle of rectangle is a _____ angle.
9. Two faces meet at a line segment called an _____.
10. An angle whose measure is the sum of the measures of two right angles is _____.
11. When two lines intersect and the angle between them is a right angle, then the lines are said to be _____.
12. The cylinder, the cone and the sphere have no _____ edges.
13. A triangle can have _____ right angles.
14. A quadrilateral with one pair of parallel sides is called _____.
15. A triangle with two sides are equal is known as _____.
16. Two rays with a common initial point form an _____.

(II) NAME THE FOLLOWING

17. The degree measure for $\frac{1}{4}$ of a revolution.
18. The angle name for one-fourth revolution.
19. Triangle with lengths of sides 7cm,8cm,9cm.
20. An angle is larger than a straight angle.
21. A triangle with one right angle and two sides of equal length.
22. Another name of triangular pyramid.

(III) ANSWER THE FOLLOWING

23. What fraction of a clockwise revolution does the hour hand of a clock turn through when it goes from
(i) 9 to 6 (ii) 2 to 8 (iii) 1 to 4 (iv) 1 to 10
24. Where will the hand of a clock stop if it
 - (i) Starts from 7 and turns through 3 right angles
 - (ii) Starts at 11 and makes $\frac{1}{4}$ of a revolution.
 - (iii) Starts at 4 and makes $\frac{3}{4}$ of a revolution clockwise
 - (iv) Starts from 6 and turns through 2 right angles
 - (v) Starts from 10 and turns through $\frac{1}{2}$ of a revolution

25. Which direction will you face if you start facing

- (i) West and make one and half revolution anti-clockwise
- (ii) South and make half revolution.
- (iii) East and make one full revolution
- (iv) North and make one fourth of a revolution anti-clockwise

26. Name the following triangles in two different ways

- (i) $PQ=QR$ and $m\angle Q = 90^\circ$
- (ii) $AB=6.5$ cm, $BC= 8$ cm, $AC= 8.5$ cm, $\angle A = 95^\circ$
- (iii) $XY=YZ=XZ$ and $\angle X= 60^\circ$

INTERNATIONAL INDIAN SCHOOL, DAMMAM
MATHS WORKSHEET 2018-19
CLASS VI FRACTIONS

1) Express as a mixed fraction

a) $\frac{29}{3}$ b) $\frac{18}{5}$ c) $\frac{82}{5}$ d) $\frac{29}{9}$

2) Draw number lines and locate the points on them

a) $\frac{4}{3}$, $\frac{5}{3}$, $\frac{6}{3}$, $\frac{1}{3}$

b) $\frac{3}{8}$, $\frac{5}{8}$, $\frac{7}{8}$, $\frac{8}{8}$

3) Express as improper fraction

a) $4\frac{4}{3}$ b) $13\frac{1}{4}$ c) $25\frac{3}{7}$ d) $7\frac{8}{9}$

4) Write five equivalent fractions of each

a) $\frac{3}{2}$ b) $\frac{5}{7}$ c) $\frac{3}{8}$ d) $\frac{4}{9}$

5) Reduce the fractions to its simplest form

a) $\frac{54}{378}$ b) $\frac{48}{12}$ c) $\frac{160}{30}$ d) $\frac{15}{105}$

6) Arrange the following in ascending order and descending order

a) $\frac{21}{9}$, $\frac{21}{5}$, $\frac{21}{6}$, $\frac{21}{2}$, $\frac{21}{13}$, $\frac{21}{17}$ b) $\frac{3}{8}$, $\frac{7}{8}$, $\frac{1}{8}$, $\frac{5}{8}$, $\frac{13}{8}$, $\frac{8}{8}$ c) $\frac{1}{3}$, $\frac{7}{4}$, $\frac{8}{9}$

7) Compare and put appropriate sign

a) $\frac{1}{2}$ $\frac{3}{5}$ b) $\frac{3}{4}$ $\frac{2}{3}$ c) $\frac{2}{5}$ $\frac{1}{3}$ d) $\frac{6}{10}$ $\frac{11}{15}$ e) $\frac{12}{48}$ $\frac{14}{42}$

8) Find the equivalent fraction of $\frac{6}{9}$ with a) Numerator 42 b) Denominator 72

9) Replace in each of the following by correct number

a) $\frac{5}{8} = \frac{*}{40}$ b) $\frac{*}{7} = \frac{24}{56}$ c) $\frac{3}{*} = \frac{18}{30}$

10) Answer the following

a) Which is greater $\frac{3}{2}$ or $\frac{4}{3}$

b) Which is smaller $\frac{6}{10}$ or $\frac{11}{15}$

11) Add

a) $\frac{6}{11} + \frac{7}{11}$

b) $\frac{12}{15} + \frac{4}{3}$

c) $\frac{5}{3} + \frac{3}{4} + \frac{1}{2}$

d) $3\frac{1}{7} + 6\frac{2}{7}$

12) Subtract

a) $1 - \frac{7}{5}$

b) $7\frac{1}{4} - 3\frac{1}{4}$

c) $1\frac{3}{7}$ from $3\frac{5}{9}$

d) $\frac{8}{9}$ from $\frac{9}{8}$

13) What fraction of three hours in a day? (Answer: $\frac{1}{8}$)

14) A man leaves $\frac{3}{4}$ property for his son and $\frac{2}{5}$ for his daughter. Who gets more and how much?. (Answer: $\frac{7}{20}$)

15) Radha bought $7\frac{3}{4}$ kg of rice and Meetu bought $5\frac{3}{2}$ of rice. Find the total amount of rice bought by both of them. (Answer: $13\frac{1}{4}$)

16) Reem has a box containing some sweets. She gives $\frac{3}{5}$ th of the sweets to Meera and $\frac{1}{5}$ th to Rita. What fraction of sweets has she distributed and how much still she has? (Answer: $\frac{4}{5}, \frac{1}{5}$)

17) Seema's school is 7 km away from her house. She covers $\frac{2}{3}$ km by her car and then boards school bus to cover remaining distance. How much distance does she cover by school bus? (Answer: $6\frac{1}{3}$)

18) Navin had a pack of 15 pencils. He gave 3 to Rita and 6 to Ayesha. What fraction had he given to Rita and Ayesha. What fraction of pencil does he has? (Answer: $\frac{6}{15}$ Or $\frac{2}{5}$)