MATH

CLASS-1

1. What is the number after 8?

   A) 6 B) 7 C) 9 D) 10

2. What is 3 + 4?

   A) 5 B) 6 C) 7 D) 8

3. If you have 2 pencils and you get 3 more, how many pencils do you have now?

   A) 4 B) 5 C) 6 D) 7

4. What is 10 - 6?

   A) 2 B) 3 C) 4 D) 5

5. If you have 7 cookies and you eat 2, how many cookies are left?

   A) 3 B) 4 C) 5 D) 6

6. Which number is smaller: 5 or 8?

   A) 3 B) 6 C) 7 D) 5

7. Is 9 greater than or less than 12?

   A) Greater B) Less C) Equal D) Not sure

8. Which object is likely to be the heaviest: a feather, a book, a pencil, or a coin?

   A) Feather B) Book C) Pencil D) Coin

9. If the clock shows 1 o'clock, what time will it be 3 hours later?

   A) 2 o'clock B) 4 o'clock C) 5 o'clock D) 6 o'clock

10. Which coin is worth the most: a penny, a nickel, a dime, or a quarter?

A) Penny B) Nickel C) Dime D) Quarter

1	2	3	4	5	6	7	8	9	10
C	C	B	D	B	D	B	B	B	D

CLASS-2

1. What is the number after 29?

   A) 28 B) 30 C) 31 D) 32

2. Which number is the largest: 45, 34, or 56?

   A) 45 B) 34 C) 56 D) 33

3. What is 12 + 7?

   A) 18 B) 19 C) 20 D) 21

4. If you have 9 apples and you get 5 more, how many apples do you have in total?

   A) 13 B) 14 C) 15 D) 16

5. What is 18 - 9?

   A) 8 B) 9 C) 10 D) 11

6. If you have 15 pencils and you give away 4, how many pencils are left?

   A) 10 B) 11 C) 12 D) 13

7. What is 3 × 4?

   A) 7 B) 10 C) 12 D) 14

8. If you have 5 groups of 2 apples each, how many apples do you have in total?

   A) 8 B) 9 C) 10 D) 11

9. What is 16 ÷ 4?

   A) 2 B) 3 C) 4 D) 5

10. If you have 20 candies and you share them equally with 5 friends, how many candies does each friend get?

A) 2 B) 3 C) 4 D) 5

1	2	3	4	5	6	7	8	9	10
B	C	B	A	C	B	C	C	C	D

Maths

Class - 3

1. 4 thousand + greatest 2 digit number is ……

   a. 4099 b. 4999 c. 4090 d. 4010

2. A grocer sells 50 apples and 29 oranges. How many fruits does he sell in all ?

   a. 79 b. 59 c. 25 d. 40

3. The Quotient of 0 ÷ 25 is,,,,,,,,

   a. 0 b. 25 c. 1 d. 40

4. Dividend = ...X Quotient + Remainder

   a. Dividend b. Divisor c. Division d. None

5. Subtract 6 8 5 8

   \- 3 0 5 2

   a. 3940 b. 3621 c. 4132 d. 3806

6. The population of a village is 5390. out of them 3115 are males.

   Find the population of females?

   a. 3131 b. 4101 c. 2101 d. 2275

7. There are 200 fish in each tank. How many fishes are there in 4 tanks?

   a. 8000 b. 800 c. 600 d. 400

8. What is the product of the face value and its place value of 3 in 4983?

   a. 9 b. 4 c. 5 d. 6

9. What is the product that we get, if we multiply 0 by any number?

   a. 1 b. 0 c. same d. none

10. Fill in correct number ( ) x 8 = 64

    a. 8 b. 9 c. 6 d. 8

11. Vivek has 56 ten rupee notes. How much money does he have?

    a. 506 b. 5600 c. 56 d. 560

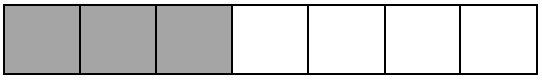
12. If there are 200 ducks in 5 ponds. How many ducks are there in one pond.

    a. 4 b. 20 c. 40 d. 80

13. Decade is the name for

    a. 10 years b. 100 years c. 101 years d. 1000 years

14. Tick the correct fraction for the given picture



a. 5/7 b. 3/7 c. 6/7 d. 4/7

15. Find the missing denominator 3/5 - 12/x ?

a. 20 b. 25 c. 15 d. 10

16. Raj has 26 toffee. He gave one - half to his friend. How many toffee did he give to his friend?

a. 20 b. 40 c. 13 d. 201

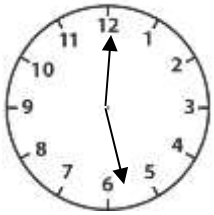
17. Akhil is running in a race that is 5km long. He has completed 2km of race. How many meters has Akhil run so far?

a. 2000m b. 3000m c. 2500m d. 4000m

18. How many centimeter are there in one meter?

a. 1000 b. 10 c. 200 d. 100

19. The school principal has planned a cultural programme for the time shown on the clock below. At what time the programme is planned?



a. 12:06 b. 12:28 c. 1:29 d. 12:10

20. How many days are there in February 2004 ?

a. 30 b. 31 c. 29 d. 28

KEY

1	2	3	4	5	6	7	8	9	10
a	a	a	b	D	d	b	A	b	A
11	12	13	14	15	16	17	18	19	20
d	c	a	b	A	c	a	D	b	C

Maths Genie

Class - 4

1. Find the smallest 6 digit number formed by using the digit 2, 0, 4, 5, 7 & 1 .

   a. 021457 b. 210457 c. 102457 d. 120457

2. What is the expanded form of 45010?

   a. 40000 + 500 + 0 + 1 b. 40000 + 1000 + 50

   c. 45000 + 0 + 10 + 0 d. 40000 + 5000 + 0 + 10 + 0

3. Find the sum of the place values of 8's in 830821.

   a. 800800 b. 8080 c. 808000 d. 800000

4. What is the successor of 19000 + 999?

   a. 20,000 b. 40,000 c. 30,000 d.50,000

5. 6 thousands less than 29485 =

   a. 23,485 b. 25,485 c. 24,485 d. 26,485

6. An auditorium had 240 rows of chairs. If there are 170 chairs in each row, how many persons can be seated in the auditorium ?

   a. 4080 b. 40800 c. 41000 d. 410

7. Which of the following expressions product is equal to the product obtained when the difference between 12030 and 8107 is multiplied by 37?

   a. 3923 x 30 - 3923 x 7 b. (3900 + 23) x (40 - 3)

   c. 3923 x 40 + 3923 x 3 d. 3923

8. Write all the factors of 12.

   a. 3, 6, 12 b. 1, 12 c.1, 2, 3, 4, 6, 12 d. 4,3,12

9. 15 is the factor of ……

   a. 224 b.225 c. 223 d. 226

10. Prime factorization of 50 is ……

    a. 2 x 5 x 10 x 2 b. 2 x 5 x 5 c.2 x 5 x 7 d.2 x 5 x 6

11. The product of two whole number is a_____of each other.

    a. prime b. divisor c. multiples d. factors

12. Find the HCF of 16 & 36.

    a. 4 b. 8 c.12 d.16

13. John took 1h 35 min to drive from town A to town B. Jason started from town A at the same time but arrived in town B 38 min later. How long did Jason take to drive from town A to town B ?

a. 2 hours 18 min b. 2 hours 13 min c.2 hours 15 min d.1 hours 18 min

14. You are going on holiday for 3 weeks starting on the 11th Nov which is Thursday. What day do you come back on ?

a. Wednesday b. Thursday c. Friday d. Saturday

15. A rod is 5 meter long, find its length in cm.

a. 50 cm b. 500 cm c. 0.005 cm d. 58 cm

16. For measuring mass,_____unit is used.

a. meter b. liter c. kilogram d. second

17. Which of the following is an old method of measuring length?

a. Cubit b. hand span c. stride d. all

18. If all the angles of a triangle are acute, the triangle is known as……..

a. acute angled triangle b. equiangular triangle

c. Both A & B d. None

19. Which one of the following properties a rectangle does not process?

a. Sum of all the angles of rectangle is 360

b. Each angle of rectangle is right angle

c. All sides of rectangle are equal

d. Opposite sides of rectangle are equal

20. In which one of the following groups would you like to place the angle which measures 75^{O}?

a. Acute angle b. Obtuse angles c. Right angles d. Straight angles

1	2	3	4	5	6	7	8	9	10
c	d	a	A	A	b	b	c	b	B
11	12	13	14	15	16	17	18	19	20
c	a	b	B	B	c	d	a	c	A

Maths Genie

Class - 5

1. Greatest 7 digit number is…….

   a. 9999999 b. 1000000 c. 9989999 d. 9999998

2. Find the sum of the greatest 8 digit numbers and the smallest 9 digit number.

   a. 1,99,99,999 b. 19,99,99,999 c. 99,99,99,999 d. 1,00,00,999

3. The digits 6,0,3,7,6 and 9 are arranged to form the greatest possible 6 digit odd number. Find the difference in value of two digits.

   a. 5400 b. 540 c. 54600 d. 54000

4. Which of the following shows the commutative property of addition ?

   a. 5+4=5+4 b. 1+(4+7) = (1+4)+7 c.6+1 = 7 d. 8+4=4+8

5. If 4a + 3 = 15, then the value of 2a is

   a. 9 b. 3 c. 6 d. 5

6. If there are 5000 Mangoes in 100 boxes, how many Mangoes will be there in75 boxes

   a. 3570 b. 3750 c. 4000 d. 2750

7. 96/2 = 48 is not equivalent to

   a. 2 x 24 b. 4 x 12 c. 8 x 6 d. 7 x 8

8. Use the multiplication operation and evaluate the following . $\frac{7}{9} \times \frac{4}{5}$

   a. $\frac{45}{28}$ b. $\frac{28}{45}$ c. $\frac{35}{36}$ d. $\frac{35}{35}$

9. Solve the following using the correct order of operations: 1+3 x 8 ÷2

   a. 15 b. 5 c. 13 d. 17

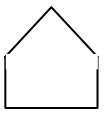
10. Solve the word problem based on the operations on numbers. Tamana bikes 2.2 km each School day. In total, how far will Tamana bike over 10 school days?

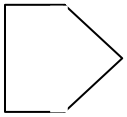
    a. 2.2 b. 22 c. 20 d. 22.20

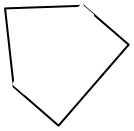
11. Average age of A, B and C is 10 years. If the average age of A and C is 9 years, then how many years old is B?

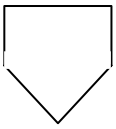
    a. 9 b. 10 c. 11 d. 12

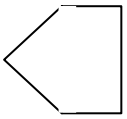
12. The shape below is rotated in counter clockwise direction. Which of the following shows figure A after $\frac{1}{4}$ turn?



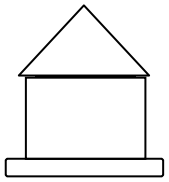
a. 

b. 

c. 

d. 

13. How many lines of symmetry does the figure A have?



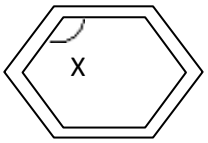
a. 1 b. 2 c. 3 d. 4

14. What type of angle is shown below?

a. acute angle b. obtuse angle c. right angle d. None of these

15. Richa and Reena share a room that is regular hexagon is shape.

What type of angle is it?



a. acute angle b. obtuse angle c. right angle d. None

16. Instrumental used to measure the blood pressure is

a. Protractor b. Sphygmomanometer

c. Thermometer d. Hygrometer

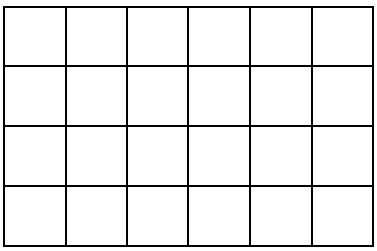
17. Tank 'A' contains 6 times as much as water as tank 'B' How much water must Mohan transferfrom tank A to Tank B, So that each tank contains 70 litres of water ?

a. 50 lit b. 60 lit c. 75 lit d. 120 lit

18. Julie has Rs. 61.50 to buy lunch. If she buys a burger that costs Rs.42.75, how much money isleft with her ?

a. Rs.14.75 b. Rs.15 c. Rs.16.25 d. Rs.18.75

19. Calculate the areas of rectangle, if one square represents an area of 1 cm2



a. 2 cm^2 b. 9 cm^2

c. 50 cm^2 d. 24cm^2

20. The third side of the triangle if the parimeter of a triangle is 20m and two of its sides are5m and 4m is

a. 11m b. 10m c. 12m d. 5m

1	2	3	4	5	6	7	8	9	10
a	B	a	d	c	b	d	b	c	B
11	12	13	14	15	16	17	18	19	20
d	D	a	b	b	b	a	d	d	A

Maths

Class - 6

1. How many times the digit "3" appears in numbers from 1 - 100?

   a. 18 b. 19 c. 20 d. 21

2. The whole number which does not have predecessor is……

   a. 100 b. 0 c. 1 d. 9

3. What least number should be added to 1330 to get a number exactly divisible by 43?

   a. 46 b. 1 c. 3 d. 7

4. The product of two odd number is…….

   a. an even number b. an odd number

   c. cannot be determined d. None of these

5. How many natural numbers are there between 1 and 10?

   a. 6 b. 7 c. 8 d. 9

6. What is the additive identify element of 24?

   a. 1/24 b. 1 c. 0 d. 24

7. 6 (7 x 3) = (6 x 7) x 3 is an example of which property with respect to multiplication?

   a. Associative property b. Closure property

   c. Commutative property d. Distributive property

8. Which of the following is the zero property of addition?

   a. 13 x 0 = 0 b. 13 + 0 = 13 c. 13 ÷ 13 = 1 d. 0 + 13 = 0

9. Which of the following is the LCM of 36 and 79?

   a. 36 b. 72 c. 108 d. 2

10. What do you get when you multiply two factors ?

    a. sum b. product c. difference d. quotient

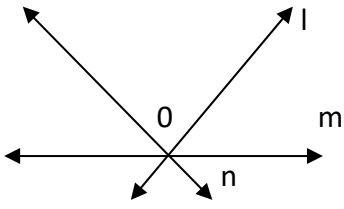
11. A is 5th prime number. B is 7th prime number. What is BA?

    a. 6 b. 8 c. 12 d. 2

12. A line segment passing through the center of circle and whose end points lie on the circle is called _____

    a. Diameter b. Radius c. Sector d. None

13. In the given figure, lines l, m & n are called_____lines.



a. collinear b. parallel

c. concurrent d. transversal

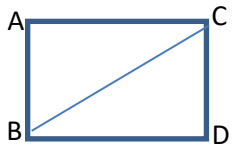
14. Which of the following statements in INCORRECT?

a. Line $\overline{AB}$ is same as line $\overline{BA}$

b. Line segment $\overline{AB}$ is same as line segment $\overline{BA}$

c. Ray $\overline{AB}$ is the same as ray $\overline{BA}$

d. $\overline{AB}$ perpendicular to CD is same as CD perpendiculars to AB.



15. In the given figure, there are_____angles

a. 4 b. 8 c. 6 d. 10

16. What are the integers between - 3 and 3?

a. - 4, - 5, 4 and 5 b. -2, - 1, 0, 1 and 2 c. 3, 4, 5, 6 and 7 d. -3, -2, -1, 2 and - 15

17. Which of the following lies between the integers -603 and - 317?

a. - 450 b. - 680 c. -315 d. - 630

18. A girl uses a ruler to measurer the length of a table in her room. She placed the ruler such that the mark 3.0 cm coincides with one end and the other had coincides with the mark 33.5 cm. The length of the table is_____cm

a. 33.5 b. 36.5 c. 33.8 d. 30.5

19. A simple method for measuring diameter of a sphere.

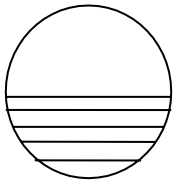
a. Place the sphere between two note books. Keep the scale across and read the distance between the two books on the rules accurately.

b. Place the sphere between two blocks in contact with a ruler as shown in figure above and read the distance between the two blocks on the ruler accurately.

c. Take a sting and wind it closely around the sphere. Then measure the length of the string.

d. We cannot measurement the diameter of the sphere.

20. The fraction representing the shaded portion is



a. $\frac{1}{4}$ b. $\frac{1}{2}$ c. $\frac{1}{3}$ d. $\frac{1}{8}$

1	2	3	4	5	6	7	8	9	10
c	b	c	b	C	c	a	b	b	B
11	12	13	14	15	16	17	18	19	20
a	a	c	c	C	b	a	d	b	b

Maths

Class - 7

1. The sum of two integers is -112, if one of them is -109 the other is

   a. -121 b. -3 c. 3 d. none

2. A place is 45 meter above sea level and another place is 23 meter below sea level. What is the difference of level in meter between the two places?

   a. 68 b. 20 c. 60 d. -20

3. The difference of sum of even numbers and sum of odd numbers between 10 and 20 is…….

   a. 3 b. 6 c. 15 d. 4

4. Amala ate $\frac{3}{5}$ of an orange. The remaining orange was eaten by Meenu. What part of the orange was eaten by Meenu ?

   a. $\frac{1}{5}$ b. $\frac{2}{5}$ c. $\frac{3}{5}$ d. none

5. Manish worked for $\frac{1}{2}$ an hour. Yash worked for $\frac{1}{4}$ hour. For how much time did both work together?

   a.1 hour b. $\frac{3}{4}$ c. $\frac{5}{4}$ d. $\frac{3}{2}$

6. The length of a rectangular sheet of paper is $\frac{3}{5}$ cm and the breath is $\frac{2}{5}$ cm. What is the perimeter of the paper ?

   a. 1cm b. 2 cm c. 3 cm d. 4 cm

7. Write the following statement in the form of an equation. One fourth of n is 3 more than 2

   a. $\frac{n}{4}$ - 2 = 3 b. $\frac{n}{4}$ + 2 = 3 c. $\frac{n}{2}$ - 4 = 3 d. $\frac{n}{2}$ + 4 = 3

8. Write the following statements in the form of an equation. Add 1 to three times n to get 7.

   a. 3n+1 = 7 b. 3n-1 = 7 c. 3n+7=1 d. None of these

9. The solution of the equation x + 3 = 0 is

   a. 3 b. -3 c. 0 d.1

10. Which of the following statements is true?

    a. Two acute angles can be complementary to each other.

    b. Two obtuse angles can be complementary to each other.

c. Two right angles can be complementary to each other.

d. One obtuse angle and one acute angle can be complementary to each other.

11. The measure of the complement of the angle 46^o is

a. 90^O b. 46^O c. 16^O d. 136^O

12. When the sum of the measures of two angles is 180^O the angles are called

a. adjacent angles b. complementary angles

c. vertically opp angles d. supplementary angles

13. Which of the following statements is true?

a. A triangle can have two right angles

b. A triangle can have two obtuse angles

c. A triangle can have two acute angles

d. A triangle can have all the three angles less than 60^o

14. If two angles of a triangle measure 90^o and 30^o then measure of the third angle isa. 90^o b. 30^o c. 60^o d. 120^o

15. The ratio of the measures of the three angles of a triangle is 2:3:4. The measure of the largest angle is

a. 80^o b. 160^o c. 40^o d. 180^o

16. If $\Delta ABC = \Delta PQR$, then $\overline{AB}$ corresponds is

a. $\overline{PQ}$ b. $\overline{QR}$ c. $\overline{RP}$ d. None of these

17. We want to show that $\Delta ART = \Delta PEN$ and we have to use see criterion. We have AR = PE and RT = EN. What more we need to show?

a. AT = PN b. AT = PE c. AT = EN d. None of these

18. The ages of father and son are 45 years and 10 years. The ratio of their ages is

a. 3 :2 b. 5:2 c. 9 : 2 d. 15:2

19. It motorcycle goes 120km with 3l of petrol. How much petrol will be required to go 600 km?

a. 10l b. 12l c. 15l d. 20l

20. Which of the following rational numbers is not to equivalent to $\frac{3}{5}$?

a. $\frac{6}{10}$ b. $\frac{-3}{5}$ c. $\frac{9}{15}$ d. $\frac{15}{24}$

1	2	3	4	5	6	7	8	9	10
b	a	c	b	b	b	a	a	b	A
11	12	13	14	15	16	17	18	19	20
b	d	c	c	a	a	a	c	c	d

Maths Genie

Class - 8

1. Which of the following statements is true?

   a. Natural numbers are associative for addition

   b. Whole numbers are associative for addition

   c. Integers are not associative for addition

   d. Rational numbers are not associative for addition

2. The multiplicative inverse of $\frac{1}{2}$ is…….

   a. 1 b. -1 c. 2 d. 0

3. If a & b are two rational numbers, then

   a. $\frac{a+b}{2} < a$ b. $\frac{a+b}{2} < b$ c. $\frac{a+b}{2} = a$ d. $\frac{a+b}{2} > b$

4. A number when subtracted from 40 results into 15. Write this statement in the form of an equation.

   a. 40 - x = 15 b. x - 40 = 15 c. 40 + x = 15 d. 40 x = 15

5. The root of the equation 2x+3 = 2 (x-4) is…….

   a. 2 b. 4 c. 0 d. does not exist

6. If two angles are complementary and one angle is 10^o greater than the other, then the smaller angle of the two is……

   a. 40^o b. 50^o c. 90^o d. 180^o

7. The angle of sum of a convex polygon with number of sides 8 is

   a. 720^o b. 900^o c. 1080^o d. 1440^o

8. The angle sum of a convex polygon with n number of sides is

   a. (n - 2) 180^o b. (n+2) 180^o c. (2n-4) 180^o d. (2n+4) 180^o

9. The measures of two angles of a quadrilateral are 110^o and 100^o. The remaining two angles are equal. The measure of each of the remaining two angles is…..

   a. 30^o b. 60^o c. 75^o d. 45^o

10. Minimum possible interior angles in a regular polygon is _____

    a. 70^o b. 60^o c. 90^o d. 120^o

11. The diagonal of a rhombus bisect each other at_____angle.

    a. acute b. right c. obtuse d. reflex

12. What will be the number of zeros in the square of the number 50?

a. 1 b. 2 c. 3 d. 4

13. How many no square numbers lie between the pair of numbers 80^2 and 81^2?

a. 162 b. 160 c. 161 d. 164

14. Express 9^2 as the sum of two consecutive integers.

a. 40 + 41 b. 50 + 31 c. 36 + 45 d. 72 + 9

15. What is the one's digit in cube root of the cube number 2744?

a. 1 b. 2 c. 3 d. 4

16. Find the smallest number by which the number 108 must be multiplied to obtain a perfect cube.

a. 2 b. 3 c. 4 d. 5

17. The volume of cube is 64 cm^3. The edge of the cube is?

a. 4 cm b. 8 cm c. 16 cm d. 6 cm

18. The value of $x^2 - 2yx + y^2$ when x = 1, y = 2 is

a. -1 b. +1 c. 2 d. -2

19. Which of the following is a trinomial?

a. -7z b. $z^2 - 4y^2$ c. $x^2y - xy^2 + y^2$ d. 12a - 9ab+5b -2

20. How many terms are there in the expression 7x2 + 5x - 5?

a. 1 b. 2 c.3 d. 5

1	2	3	4	5	6	7	8	9	10
a	c	b	a	d	a	c	a	c	b
11	12	13	14	15	16	17	18	19	20
b	b	b	a	d	a	a	b	c	c

Maths

Class - 9

1. The value which is equal to $\frac{4\sqrt{3}^{2}}{\sqrt{2}}$

   a. $2^{-1/6}$ b. 2^{-6} c. $2^{1/6}$ d. 2^{6}

2. Simplified value of $(16)^{-1/4} \times \sqrt[4]{16}$ is

   a. 16 b. 4 c. 1 d. 0

3. Find the value of $\sqrt[3]{216} - \sqrt[3]{125}$ is

   a. 1 b. -1 c. $\sqrt[3]{91}$ d. $\frac{6}{5}$

4. Find the product of $(x - \frac{1}{x})(x + \frac{1}{x})(x^2 + \frac{1}{x^2})$

   a. $x^4 + \frac{1}{x^4}$ b. $x^3 + \frac{1}{x^3} - 2$

   c. $x^4 - \frac{1}{x^4}$ d. $x^2 + \frac{1}{x^2} + 2$

5. If $\frac{x}{y} + \frac{y}{x} = -1$ $(x, y \neq 0)$, then find the value of $X^3 - y^3$

   a. 1 b. -1 c. $\frac{1}{2}$ d. 0

6. One of the factors of $(x^3 - 1) - (x - 1)$ is

   a. $x^2 + 1$ b. . $x^2 - 1$ c. x - 1 d. . x + 4

7. Find the value of K if $x2 + kx + 6 = (x+2)(x+3)$ for all k

   a. 1 b. -1 c. 5 d. 3

8. The mirror image of the point (-3, 4) in x - axis is

   a. (-4, -3) b. (3, -4) c. (3, 4) d. (-3, -4)

9. In which quadrant does the point (-1, 2) lies?

   a. first quadrant b. second quadrant

   c. third quadrant d. fourth quadrant

10. The point M lies in the N quadrant. The coordinates of point M are

    a. (a, b) b. (-a, b) c. (a, -b) d. (-a, -b)

11. Any point on the line y = 3x is of form

a. (a, 3a) b. (3a, a) c. (a, $\frac{a}{3}$) d. ($\frac{a}{3}$, $-a$)

12. Graph of linear equation ax+by+c=0, a*0, 6*0 cuts x axis and y axis respectively at points.

a.($\frac{-c}{a}$, 0) (0, $\frac{-c}{b}$) b. (0, $\frac{-c}{b}$, 0), ($\frac{-c}{a}$, 0) 5

c. (-c, 0), (0,-c) d. (x,0) (y,0)

13. Which of the following ordered pairs is a solution of the equation x-2y-b?

a. (2,4) b. (0, 3) c. (-4, 1) d. (4, -1)

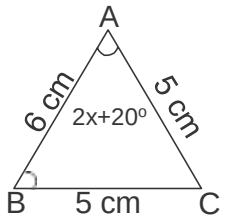
14. If (x+2,4) = (5, y-2), then coordinates (x, y) are

a. (7, 12) b. (6, 3) c. (3, 6) d.(2, 1)

15. The coordinates of the point which lies on y - axis at a distance of 4 units in negative direction of y - axis is

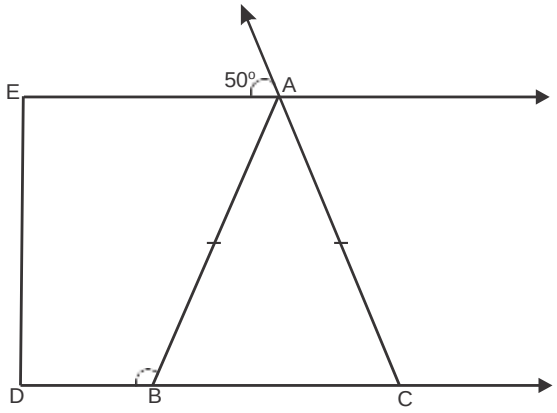
a. (5, 4) b. (4, 0) c. (0, -4) d. (-4, 0)

16. In the given figure measure of angle BAC is



a. 60° b. 50° c. 70° d. 80°

17. In the figure if AE | DC and AB = AC, find the value of ∠ABC



a. 130° b. 110° c. 120° d. 70°

18. In Δ ABC, $\angle C = \angle A$ and BC = 4 cm and AC = 5 cm then find length of AB

a. 5 cm b. 3 cm c. 4 cm d. 2.5 cm

19. A diagonal of a rectangle is inclined to one side of the rectangle at 25^{O}, the acute angle between the diagonals is

a. 55^{o} b. 50^{o} c. 40^{o} d. 25^{o}

20. ABCD is a rhombus such that $\angle ABC = 40^{o}$, then $\angle ADC$ is equal to

a. 40^{o} b. 45^{o} c. 50^{o} d. 20^{o}

1	2	3	4	5	6	7	8	9	10
c	c	a	c	d	c	c	d	b	c
11	12	13	14	15	16	17	18	19	20
a	a	d	c	c	b	a	c	d	a