Transweb Educational Services Pvt Ltd
B -147, Sector -6 Noida, UP - 201301,
www.askiitians.com
Email: info@askiitians.com
Tel: 1800-2000-838

CBSE Board
Class VI
Mathematics Term I
Sample Paper - 3

Maths

Q1. In Parul's garden, there are 25 rows of vegetables. She has 5 more rows of peppers than tomatoes and two fewer rows of cucumbers than tomatoes. If y represents the number of rows of tomatoes in the garden, which number sentence can be used to find how many rows of each vegetable be planted?

(a) y + (y + 5) + (y + 2) + y= 25

(b) (y + 5) + y=25

(c) (y + 5) + (y – 2)= 25

(d) (y + 5) + (y – 2) + y=25

Sol. (d)

(y + 5) + (y – 2) + y=25

Q2. Subtract 29.375 from the sum of 85.75 and 5.9.

(a) 62.275

(b) 63.375

(c) 64.275

(d) 65.275

Sol. (a)

62.275

Q3. The 5-day forecast for the South Pole lists the low temperature (in ^{0}F) as -24^0, -28^0, -29^0, -25^0 and -30^0. Which choice shows the temperature in order from the lowest to the highest?

(a) -24^0, -25^0, -28^0, -29^0, -30^0

(b) -30^0, -28^0, -29^0, -25^0, -24^0

(c) -30^0, -29^0, -28^0, -25^0, -24^0

(d) -30^0, -29^0, -28^0, -24^0, -25^0

Sol. (c)

-30^0, -29^0, -28^0, -25^0, -34^0

Transweb Educational Services Pvt Ltd
B -147, Sector -6 Noida, UP - 201301,
www.askiitians.com
Email: info@askiitians.com
Tel: 1800-2000-838

Q4. What is the value of the given expression?

3+ 3 * 3 (4 + 3)

(a) 38

(b) 42

(c) 45

(d) 66

Sol. (d)

66

Q5. Mohit is selling candy bars. He has chocolate bars, nut bars and mint bars. If a customer buys two bars, and the bars are not of the same type, how many different combinations are possible?

(a) 3

(b) 6

(c) 9

(d) 12

Sol. (d)

12

Q6. The opposite sides of a parallelogram are _____ and _____.

(a) Equal and parallel

(b) Equal and non-parallel

(c) Unequal and parallel

(d) Unequal and non-parallel

Sol. (a)

Equal and parallel

Q7. A vessel has 5l 120 ml of mango shake. How many glasses each of 40 ml capacity, can be filled with it?

(a) 122

(b) 130

(c) 118

(d) 128

Sol. (d)

128

Transweb Educational Services Pvt Ltd
B -147, Sector -6 Noida, UP - 201301,
www.askiitians.com
Email: info@askiitians.com
Tel: 1800-2000-838

Q8. A quadrilateral having only one pair of opposite sides parallel is called a _____.

(a) Rhombus

(b) Square

(c) Trapezium

(d) Rectangle.

Sol. (c)

Trapezium

Q9. Vinita can type 28 words per minute. At this rate, how many words Vinita can type in 5.5 minutes?

(a) 154

(b) 157

(c) 159

(d) 162

Sol. (a)

154

Q10. At a school, there are 704 desks to place into 22 classrooms. If the same number of desks is placed in each classroom, how many desks will be there in each room?

(a) 32

(b) 34

(c) 42

(d) 44

Sol. (a)

32

Q11. If A stands for add B stands for subtract, C stands for multiply and D stands for divide then 4A3B3A2 stands for _____.

(a) 2

(b) 4

(c) 6

(d) 8

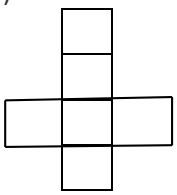
Sol. (c)

6

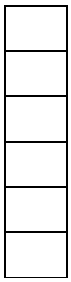
Transweb Educational Services Pvt Ltd
B -147, Sector -6 Noida, UP - 201301,
www.askiitians.com
Email: info@askiitians.com
Tel: 1800-2000-838

Q12. Which net, when folded, will cover all he faces of a cube?

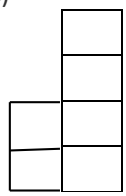
(a)



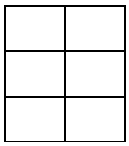
(b)



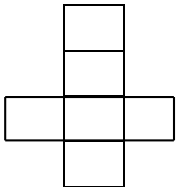
(c)



(d)



Sol. (a)



Transweb Educational Services Pvt Ltd
B -147, Sector -6 Noida, UP - 201301,
www.askiitians.com
Email: info@askiitians.com
Tel: 1800-2000-838

Q13. I am a palindrome. I am greater than 11 and less than 50 . I am an odd number. What am I?

(a) 11
(b) 22
(c) 33
(d) 44

Sol. (c)
33

Q14. A shopkeeper had a profit of Rs. 50 on Monday, a loss of Rs. 20 on Tuesday, and a loss of Rs. 18 on Wednesday. Find his net profit or loss in 3 days?

(a) Rs. 30
(b) Rs. 32
(c) Rs. 12
(d) None of these

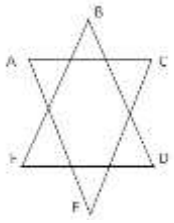
Sol. (c)
Rs. 12

Q15. On the number line, one end of a segment is at -5 and the other at 7. How long is the line segment?

(a) 2 units
(b) -12 units
(c) 12 units
(d) None of these

Sol. (c)
12 units

Q16. Find the sum measures of the angles A, B, C, D, E, F in the following figure.



(a) 180^0
(b) 360^0
(c) 270^0
(d) 540^0

Sol. (b)

360^0.

Q17. If one angle of a pair of complementary angles is 1^0, then the other one is

(a) 1^0

(b) 89^0

(c) 179^0

(d) 90^0

Sol. (b)

89^0.

Q18. Ram has 2/5 of 1/2 of 2/3 of a minute. How many seconds does he have?

(a) 8 sec

(b) 9 sec

(c) 10 sec

(d) None of these

Sol. (a)

8 sec

Q19. 8.25=?

(a) $8\frac{1}{2}$

(b) $8\frac{2}{5}$

(c) $8\frac{1}{4}$

(d) $8\frac{3}{4}$

Sol. (c)

$8\frac{1}{4}$

Q20. If 12 – x= -152, find the value of x.

(a) 10

(b) -10

(c) 12

(d) -12

Sol. (d)

-12

Q21. An equation is solved as follows:

x – 6=4 or x= 4 + 6 or x=10

This method of solution is called_____.

(a) Transposition method

(b) Trial and error method.

(c) Both a and b

(d) None of these

Sol. (a)

Transposition method

Q22. If p, q, r, s are in proportion, then we have

(a) p:q::r:s

(b) p:s::q:r

(c) Both a and b

(d) q:r::p:s

Sol. (a)

p:q::r:s

Q23. If 32 workers can build a house in 15 days, how many days will 10 workers take to build a similar house?

(a) 42 days

(b) 45 days

(c) 48 days

(d) 40 days

Sol. (c)

48 days

Q24. If x and y are length and breadth of a rectangle respectively, its area is given by:

(a) xy sq. units

(b) x/y sq. units

(c) 2xy sq. units

(d) (x + y) sq. units

Sol. (a)

xy sq. units

Transweb Educational Services Pvt Ltd
B -147, Sector -6 Noida, UP - 201301,
www.askiitians.com
Email: info@askiitians.com
Tel: 1800-2000-838

Q25. If length and breadth of a rectangle are doubled and halved respectively, its area becomes

(a) 2 times

(b) 4 times

(c) Unchanged

(d) Half

Sol. (c)

Unchanged

Q26. In ΔABC, AB=AC and AD⊥BC, BE⊥AC and CF⊥AB, then ΔABC is symmetrical about

(a) AD

(b) BE

(c) CF

(d) AB

Sol. (a)

AD

Q27. An isosceles trapezium has

(a) No line of symmetry

(b) 2 lines of symmetry

(c) 1 line of symmetry

(d) 3 lines of symmetry

Sol. (c)

1 line of symmetry

Q28. What kind of an angle is it, if it is equal to its supplement?

(a) Acute

(b) Obtuse

(c) Right

(d) None of these

Sol. (c)

Right

Q29. In a frequency distribution, the frequency is written as |||| ~~|||~~ ~~||~~. The value of this frequency is

(a) 11

(b) 12

(c) 10

(d) 8

Sol. (b)

12

Q30. A square and a rectangular plot of land have same perimeter, If the square is of side 40 m and rectangle is of length 5 da m. Then area of rectangle is

A. 1500 m^2

B. 1600 m^2

C. 200 m^2

D. 150 m^2

Sol. (A)

Perimeter of square = perimeter of rectangular plot 4x 40 = 2 (5x10+b)

[1 dam = 10m] b = 30

Area = length x breadth = 30 × 50 = 1500 m^2