

**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) $(y + 5) + (y - 2) + y = 25$
- 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
- Q3.** The 5-day forecast for the South Pole lists the low temperature (in $^{\circ}\text{F}$) as -24° , -28° , -29° , -25° and -30° . Which choice shows the temperature in order from the lowest to the highest?
- (a) -24° , -25° , -28° , -29° , -30°
(b) -30° , -28° , -29° , -25° , -24°
(c) -30° , -29° , -28° , -25° , -24°
(d) -30° , -29° , -28° , -24° , -25°
- Q4.** What is the value of the given expression?
 $3 + 3 * 3 (4 + 3)$
- (a) 38
(b) 42
(c) 45
(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
- 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
- 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
- Q8.** A quadrilateral having only one pair of opposite sides parallel is called a _____.
- (a) Rhombus
 - (b) Square
 - (c) Trapezium
 - (d) Rectangle.
- 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

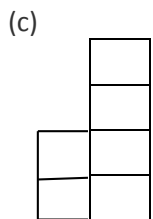
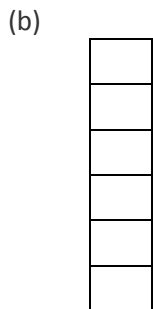
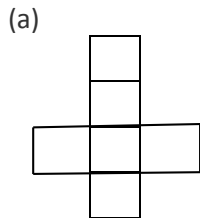
Q10. At a school, there are 704 desks to place into 22 classrooms. If the same number of desks is placed in each classroom, how many desks will be there in each room?

- (a) 32
- (b) 34
- (c) 42
- (d) 44

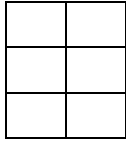
Q11. If A stands for add B stands for subtract, C stands for multiply and D stands for divide then $4A3B3A2$ stands for _____.

- (a) 2
- (b) 4
- (c) 6
- (d) 8

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



(d)



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

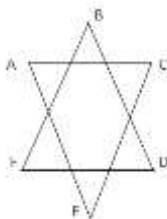
Q14. A shopkeeper had a profit of Rs. 50 on Monday, a loss of Rs. 20 on Tuesday, and a loss of Rs. 18 on Wednesday. Find his net profit or loss in 3 days?

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

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

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



- (a) 180°
- (b) 360°
- (c) 270°
- (d) 540°

- Q17.** If one angle of a pair of complementary angles is 1° , then the other one is
- (a) 1°
 - (b) 89°
 - (c) 179°
 - (d) 90°
- Q18.** Ram has $\frac{2}{5}$ of $\frac{1}{2}$ of $\frac{2}{3}$ of a minute. How many seconds does he have?
- (a) 8 sec
 - (b) 9 sec
 - (c) 10 sec
 - (d) None of these
- Q19.** $8.25 = ?$
- (a) $8\frac{1}{2}$
 - (b) $8\frac{2}{5}$
 - (c) $8\frac{1}{4}$
 - (d) $8\frac{3}{4}$
- Q20.** If $12 - x = -152$, find the value of x .
- (a) 10
 - (b) -10
 - (c) 12
 - (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

- 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) $q:r::p:s$
- 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
- 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
- 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
- Q26.** In $\triangle ABC$, $AB=AC$ and $AD \perp BC$, $BE \perp AC$ and $CF \perp AB$, then $\triangle ABC$ is symmetrical about
- (a) AD
 - (b) BE
 - (c) CF
 - (d) AB

- 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
- 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
- Q29.** In a frequency distribution, the frequency is written as |||| ~~||||~~ ~~||||~~. The value of this frequency is
- (a) 11
 - (b) 12
 - (c) 10
 - (d) 8
- 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