

**CBSE Board
Class VI
Mathematics Term II
Sample Paper - 3**

Maths

Q1. A T.V. costs Rs. 24,600. If a cooler costs Rs. 800 more than one-third of that of the T.V., the cost price of the cooler is

- (a) Rs. 9,000
- (b) Rs. 10,000
- (c) Rs. 9,100
- (d) Rs. 13,400

Sol. (a)
Rs. 9,000

Q2. Three students are asked to estimate the difference between 7509 and 459 to the nearest hundred. They get the following answers:
Student 1. 7000 Student 2. 7100 Student 3. 7200
What is your opinion about this?

- (a) Student 1 is correct
- (b) Student 2 is correct
- (c) Student 3 is correct
- (d) Both a) and b)

Sol. (a)
Student 1 is correct

Q3. If $a=5$, $b=2$ and $c=4$, the value of $a \times (b + c)$ is

- (a) 40
- (b) 30
- (c) 11
- (d) 13

Sol. (b)
30

Q4. Study the following pattern:

$$1 = (1 \times 2)/2, 1 + 2 = (2 \times 3)/2, 1 + 2 + 3 = (3 \times 4)/2$$

By observing the above pattern, the value of $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10$ is

- (a) 85
- (b) 75
- (c) 65
- (d) 55

Sol. (d)
55

Q5. The greatest number, which divides 134 and 167 leaving 2 as remainder in each case, is

- (a) 11
- (b) 17
- (c) 13
- (d) 12

Sol. (a)
11

Q6. The LCM of two numbers is 2175 and their HCF is 145. If one of the numbers is 125, then the other number is

- (a) 725
- (b) 2523
- (c) 1845
- (d) 3125

Sol. (b)
2523

Q7. On simplifying $25 - \{4 \div (-2)\} - 12 - 5(6 + \overline{2 - 8})$, we get

- (a) 16
- (b) -14
- (c) 15
- (d) -20

Sol. (d) -20

Q8. The distance between two places is 2400 km. If a train covers two-fifths of the distance, then distance uncovered by the train is

- (a) 1440 km
- (b) 1520 km
- (c) 1500 km
- (d) 1400 km

Sol. (a)
1440 km

- Q9.** The temperature of a place was 48°C at a certain time. After a while, the temperature recorded was 39°C , the decrease in temperature was
- (a) 10°C
 - (b) 9°C
 - (c) 11°C
 - (d) 8°C

Sol. (b)
 9°C

- Q10.** Two lines perpendicular to the same line are
- (a) Parallel
 - (b) Intersecting
 - (c) Concurrent
 - (d) None of these

Sol. (a)
Parallel

- Q11.** By joining any two points on the circumference of a circle, we obtain a
- (a) Diameter
 - (b) Chord
 - (c) Radius
 - (d) Circumference

Sol. (b)
Chord

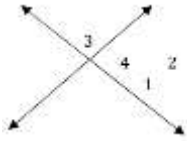
- Q12.** The difference between the sum of two supplementary angles and the sum of two complementary angles is
- (a) 0°
 - (b) 180°
 - (c) 90°
 - (d) 1°

Sol. (c)
 90° .

- Q13.** If an angle is $1/4$ of its supplement, then the degree measure of the angle is
- (a) 36°
 - (b) 45°
 - (c) 144°
 - (d) 145°

Sol. (a)
 36° .

Q14. In the fig., if $\angle 1 = 60^\circ$, the sum of degree measure of $\angle 2$ and $\angle 3$ is



- (a) 60°
- (b) 90°
- (c) 160°
- (d) 180°

Sol. (d)
 180° .

Q15. When we subtract $2\frac{2}{3}$ from 5, we get

- (a) $3\frac{1}{3}$
- (b) $2\frac{1}{3}$
- (c) $14/8$
- (d) Both a) and b)

Sol. (b)
 $2\frac{1}{3}$

Q16. If capacity of a water bottle is $5/12$ litre, the quantity of water required to fill 36 such bottles is

- (a) 12 l
- (b) 20 l
- (c) 16 l
- (d) 15 l

Sol. (d)
15 l

Q17. A medicine dropper contains 0.009 l. Is this less than 1 ml?

- (a) Yes
- (b) No
- (c) Can't say
- (d) Cannot be compared

Sol. (b) No

Q18. By how much is 8932 cm greater than 9687 mm?

- (a) 7963.3 cm
- (b) 7963.3 mm
- (c) 755 cm
- (d) 755 mm

Sol. (a) 7963.3 cm

Q19. The present age of a brother is 5 years more than that his sister. If sum of their present ages is 21 years, the present age of the sister is

- (a) 8 years
- (b) 13 years
- (c) 14 years
- (d) 7 years

Sol. (a)
8 years

Q20. ABCD is a rectangle. If its perimeter is 84 cm, the value of x is

- (a) 15 cm
- (b) 17 cm
- (c) 12 cm
- (d) 18 cm

Sol. (b)
17 cm

Q21. If 32 men can finish a piece of work in 25 days, how many men will be required to finish it in 20 days?

- (a) 40
- (b) 36
- (c) 48
- (d) 42

Sol. (a)
40

Q22. In a hostel, 550 students had food provisions for 28 days. For how many days will it last long for 700 students?

- (a) 34 days
- (b) $35\frac{7}{11}$ days
- (c) 22 days
- (d) None of these

Sol. (c)
22 days

- Q23.** Length and breadth of a rectangle are 48 cm and 12.5 cm respectively. If the length is increased by 2 cm and breadth is increased 2 times, then area of the new rectangle so formed is
- (a) 1200 sq. cm
 - (b) 1000 sq. cm
 - (c) 1150 sq. cm
 - (d) 1250 sq. cm

Sol. (d)
1250 sq. cm

- Q24.** What is the perimeter of a square having area 144 cm^2 ?
- (a) 49 cm
 - (b) 144 cm
 - (c) 48 cm
 - (d) 18 cm

Sol. (c)
48 cm

- Q25.** How many lines of symmetry is possible in case of a rhombus?
- (a) 2
 - (b) 3
 - (c) 4
 - (d) None of these

Sol. (a)
2

- Q26.** The bisectors divide an equilateral triangle in
- (a) 1 region
 - (b) 2 regions
 - (c) 3 regions
 - (d) 6 regions

Sol. (d)
6 regions

- Q27.** With the help of a compass, we can draw the angle of
- (a) 40°
 - (b) 55°
 - (c) 65°
 - (d) 90°

Sol. (d)
 90° .

- Q28.** See the following data:
112, 118, 124, 108, 115, 114, 124, 112, 114, 116, 119, 120, 114, 108, 120, 112, 118, 126, 130, 114
From above data, the frequency of 114 is
(a) 3
(b) 5
(c) 2
(d) 4
- Sol.** (d) 4
- Q29.** What kind of angle is it, if it is greater than its supplement?
(a) Acute
(b) Right
(c) Obtuse
(d) None of these
- Sol.** (c, a)
Obtuse
- Q30.** The value of $|(-6)| + |5| - |(-3)|$ is
(a) -5
(b) -2
(c) 2
(d) 8
- Sol.** (d)
8