

Sagar Public School
Mathematics MCQ Test
Class 07

- Q.1** $[(-10) \times (+9)] + (-10)$ is equal to
(a) 100 (b) -100 (c) -80 (d) 80
- Q.2** $-16 \div [8 \div (-2)]$ is equal to
(a) -1 (b) 1 (c) 4 (d) -4
- Q.3** When the integers 10, 0, 5, -5, -7 are arranged in descending or ascending order, then find out which of the following integers always remains in the middle of the arrangement.
(a) 0 (b) 5 (c) -7 (d) -5
- Q.4** By observing the number line (Fig. state which of the following statements is not true.



- Q.5** Which of the following statements is not true?
(a) When two positive integers are added, we always get a positive integer.
(b) When two negative integers are added we always get a negative integer.
(c) When a positive integer and a negative integer is added we always get a negative integer.
(d) Additive inverse of an integer 2 is (-2) and additive inverse of (-2) is 2.
- Q.6** The value of $5 \div (-1)$ does not lie between
(a) 0 and -10 (b) 0 and 10 (c) -4 and -15 (d) -6 and 6

- Q.7** $(-10) \times (-5) + (-7)$ is equal to
(a) -57 (b) 57 (c) -43 (d) 43
- Q.8** $(-25) \times [6 + 4]$ is not same as
(a) $(-25) \times 10$ (b) $(-25) \times 6 + (-25) \times 4$
(c) $(-25) \times 6 \times 4$ (d) -250
- Q.9** Which of the following shows the maximum rise in temperature?
(a) 23° to 32° (b) -10° to $+1^\circ$ (c) -18° to -11° (d) -5° to 5°
- Q.10** For a non-zero integer a which of the following is not defined?
(a) $a \div 0$ (b) $0 \div a$ (c) $a \div 1$ (d) $1 \div a$
- Q.11** Savita is dividing $1\frac{3}{4}$ kg of sweets equally among her seven friends. How much does each friend receive?
(a) $\frac{3}{4}$ kg (b) $\frac{1}{4}$ kg (c) $\frac{1}{2}$ kg (d) $\frac{3}{28}$ kg
- Q.12** The next number of the pattern
60, 30, 15, _____ is
(a) 10 (b) 5 (c) $\frac{15}{4}$ (d) $\frac{15}{2}$
- Q.13** The decimal expression for 8 rupees 8 paise (in Rupees) is
(a) 8.8 (b) 8.08 (c) 8.008 (d) 88.0
- Q.14** Each side of a regular hexagon is 3.5cm long. The perimeter of the given polygon is
(a) 17.5cm (b) 21cm (c) 18.3cm (d) 20cm
- Q.15** $2.5 \div 1000$ is equal to
(a) 0.025 (b) 0.0025 (c) 0.2500 (d) 25000

Q.16 The largest of the following is

- (a) 0.0001 (b) $\frac{1}{1000}$ (c) $(0.100)^2$ (d) $\frac{1}{10} \div 0.1$

Q.17 A ribbon of length $5\frac{1}{4}$ m is cut into small pieces each of length $\frac{3}{4}$ m.

Number of pieces will be:

- (a) 5 (b) 6 (c) 7 (d) 8

Q.18

$5\frac{1}{6} \div \frac{9}{2}$ is equal to

- (a) $\frac{31}{6}$ (b) $\frac{1}{27}$ (c) $5\frac{1}{27}$ (d) $\frac{31}{27}$

Q.19 Which of the following represents $\frac{1}{3}$ of $\frac{1}{6}$?

- (a) $\frac{1}{3} + \frac{1}{6}$ (b) $\frac{1}{3} - \frac{1}{6}$ (c) $\frac{1}{3} \times \frac{1}{6}$ (d) $\frac{1}{3} \div \frac{1}{6}$

Q.20 $\frac{3}{7}$ of $\frac{2}{5}$ is equal to

- (a) $\frac{5}{12}$ (b) $\frac{5}{35}$ (c) $\frac{1}{35}$ (d) $\frac{6}{35}$

Q.21 The range of the data 14, 6, 12, 17, 21, 10, 4, 3 is

- (a) 21 (b) 17 (c) 18 (d) 11

Q.22 The number of trees in different parks of a city are 33, 38, 48, 33, 34, 34, 33 and 24. The mode of this data is

- (a) 24 (b) 34 (c) 33 (d) 48

Q.23 There are 2 aces in each of the given set of cards placed face down. From which set are you certain to pick the two aces in the first go?



Q.24 The difference between the highest and the lowest observations in a data is its

- (a) frequency (b) width (c) range (d) mode

Q.25 In a school, only 2 out of 5 students can participate in a quiz. What is the chance that a student picked at random makes it to the competition?

- (a) 20% (b) 40% (c) 50% (d) 30%

Q.26 Some integers are marked on a board. What is the range of these integers?

- (a) 31 (b) 37
(c) 20 (d) 3

0	15
-11	-17
6	+20
	-4

Q.27 On tossing a coin, the outcome is

- (a) only head
(b) only tail
(c) neither head nor tail
(d) either head or tail

Q.28 Which measure of central tendency best represents the data of the most popular politician after a debate?

- (a) Mean (b) Median
(c) Mode (d) Any of the above

Q.29 The solution of the equation $3x + 5 = 0$ is

- (a) $\frac{5}{3}$ (b) -5 (c) $-\frac{5}{3}$ (d) 5

- Q.30** If a and b are positive integers, then the solution of the equation $ax = b$ will always be a
- (a) positive number (b) negative number
(c) 1 (d) 0
- Q.31** The solution of which of the following equations is neither a fraction nor an integer?
- (a) $2x + 6 = 0$ (b) $3x - 5 = 0$
(c) $5x - 8 = x + 4$ (d) $4x + 7 = x + 2$
- Q.32** The equation which cannot be solved in integers is
- (a) $5y - 3 = -18$ (b) $3x - 9 = 0$
(c) $3z + 8 = 3 + z$ (d) $9y + 8 = 4y - 7$
- Q.33** If $7x + 4 = 25$, then x is equal to
- (a) $\frac{29}{7}$ (b) $\frac{100}{7}$ (c) 2 (d) 3
- Q.34** If $43m = 0.086$, then the value of m is
- (a) 0.002 (b) 0.02 (c) 0.2 (d) 2
- Q.35** x exceeds 3 by 7, can be represented as
- (a) $x + 3 = 2$ (b) $x + 7 = 3$ (c) $x - 3 = 7$ (d) $x - 7 = 3$
- Q.36** The equation having 5 as a solution is:
- (a) $4x + 1 = 2$ (b) $3 - x = 8$ (c) $x - 5 = 3$ (d) $3 + x = 8$
- Q.37** Which of the following equations can be formed starting with $x = 0$?
- (a) $2x + 1 = -1$ (b) $\frac{x}{2} + 5 = 7$ (c) $3x - 1 = -1$ (d) $3x - 1 = 1$
- Q.38** Shifting one term from one side of an equation to another side with a change of sign is known as
- (a) commutativity (b) transposition
(c) distributivity (d) associativity
- Q.39** If $\frac{x}{2} = 3$, then the value of $3x + 2$ is
- (a) 20 (b) 11 (c) $\frac{13}{2}$ (d) 8
- Q.40** Which of the following numbers satisfy the equation $-6 + x = -12$?
- (a) 2 (b) 6 (c) -6 (d) -2