

GRADE 7-8

Q.1: The marked price of an article is Rs. 80, if it is sold at Rs. 72, What is the discount percentage?

5%
15%
10%
20%

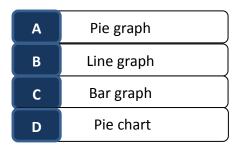




Q.2: NASA's Mars Rover Perseverance traveled 293 million miles to reach Mars. If it took 203 days to get there, what was the average speed of the rover in miles per day?

Α	1,443 miles/day
В	1,447 miles/day
С	1,458 miles/day
D	1,462 miles/day

Q.3: Histogram is similar to _____ graph?



Q.4: Find the value of the x if $\frac{4}{5}x + 7y = 101$ and y=5.

Α	80.5
В	81.5
С	82.5
D	None of these

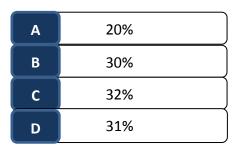
Q.5: Angles can be drawn _____ direction?

Α	Clockwise
В	Counter clockwise
С	middle
D	A and B





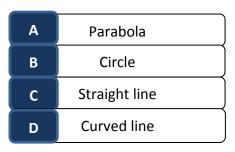
Q.6: Rubina purchased a cycle for Rs. 800 and sold it for Rs. 1040. Find his gain percent?



Q.7: Which number is equivalent to $\frac{3^4}{3^2}$?

A	3
В	9
С	81
D	729

Q.8: The graph of a linear equation is always a ____?



Q.9: A bar graph is used to represent?

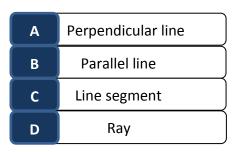
Α	Continuous data
В	Area of shapes
С	Discrete data
D	Lines and angles



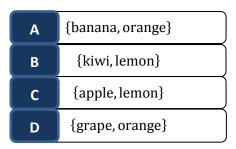




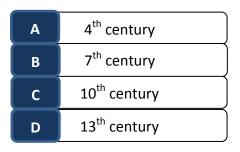
Q.10: Which mathematical term describes a straight line that goes on forever in both directions?



Q.11: Which of the following sets is a subset of set {apple, banana, orange}?



Q.12: In which century did the Indian mathematician Brahmagupta introduce the rules for performing arithmetic with positive and negative numbers?



Q.13: Find the quotient of 5.2 ÷ 2?

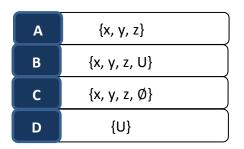
Α	2.6
В	2.5
С	2.0
D	1.8



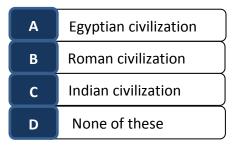




Q.14: Which of the following is the correct representation of the complement of set A = $\{x, y, z\}$?



Q.15: Which ancient civilization made significant advancements in mathematics and developed the concept of zero?



Q.16: Convert 0.75 to a fraction in simplest form?

Α	1/3
В	3/4
С	4/5
D	5/6



Α	{0}
В	{Ø}
С	{1}
D	{}





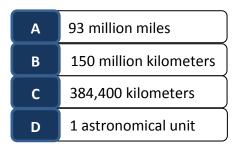
Q.18: If a rocket travels 150 kilometers in 3 minutes, what is its speed in kilometers per hour?



Q.19: If an object has a mass of 50 kilograms on Earth, what would its mass be on the Moon? (The acceleration due to gravity on the Moon is about 1/6th that of Earth.)?

Α	300 kg
В	50 kg
С	8.33 kg
D	150 kg

Q.20: The average distance from the earth to the sun is approximately:



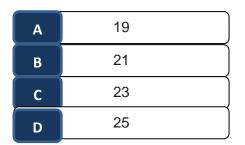
Q.21: What is the shape of our galaxy, the Milky Way?

Α	Spiral
В	Elliptical
С	Irregular
D	Round

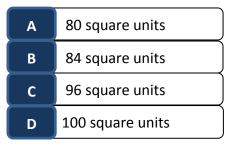




Q.22: The sum of three consecutive odd numbers is 63. What is the largest of these numbers?



Q.23: What is the area of a rectangle with length 12 units and width 8 units?



Q.24: The circumference of a circle is 44π cm. What is the diameter of the circle?

Α	14cm
В	22cm
С	28cm
D	44cm

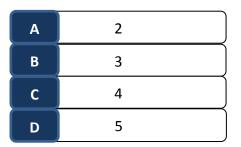
Q.25: In a class of 35 students, 21 students passed the test. What percentage of students passed the test?

Α	55%
В	60%
С	75%
D	80%

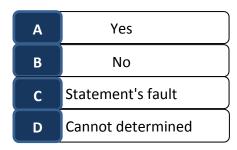




Q.26: What is the slope of the line passing through the points (4, 7) and (2, 1)?



Q.27: A triangle has side length of 5cm, 12cm and 13cm. Is the triangle a right triangle?



Q.28: What is the median of the following data set: 4, 7, 2, 9, 5, 11, 6, 8?

Α	6
В	7
С	8
D	9

Q.29: How many properties are there of the Addition??

Α	4
В	5
С	6
D	7





Q.30: A group of students took a math test, and the scores were as follows: 78, 82, 95, 68, 90, 85, 73, 88, 94 and 79. What is the range of the scores?

Α	27
В	26
С	25
D	24

