

## Basic Math - Important MCQs

**Q1:** One nautical mile is equal to how many kilometers?

**Ans:** 1852 kilometers

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**Q2:** One Kilometer is equal to \_\_\_\_\_ metres.

**Ans:** 1000 metres

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**Q3:** A figure whose all four sides are equal is called \_\_\_\_?

**Ans:** Square

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**Q4:** In a dairy farm, 40 cows eat 40 bags of husk in 40 days, in how many days one cow will eat one bag of husk?

**Ans:** 40 days

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**Q5:** One kilometer is equal to?

**Ans:** 1000 meters

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**Q6:** In an examination, 65% of the total examinees passed. If the number of failures is 420, then the total number of examiners are?

**Ans:** 1200

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**Q7:** 30 % of 100 is equal to 3% of \_\_\_\_?

**Ans:** 1000

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**Q8:** The Square root of 729 is?

**Ans:** 27

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**Q9:** 1 light year =?

**Ans:** 9.46 trillion km

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**Q10:**  $5005 - 5000 \div 10.00 = ?$

**Ans:** 4505

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**Q11:** Which number can replace both the questions marks in  $2/? = ?/50$

**Ans:** 10

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**Q12:** If 70 men can work in 35 days, 40 men complete this work in days?

**Ans:** 61.25

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**Q13:** One mile is equal to \_\_\_\_\_?

**Ans:** 1.6 kilometer

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**Q14:** What is the average of first 150 natural numbers?

**Ans:** 75.5

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**Q15:** 80% of 700 =?

**Ans:** 560

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**Q16:** The binary equivalent of decimal 13 is \_\_\_\_\_?

**Ans:** 1101

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**Q17:** When you divide 0.7 by 10 you will get?

**Ans:** 0.07

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**Q18:** Inch is equal to how many centimeters?

**Ans:** 2.54 cm

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**Q19:** A polygon which consist of 8 sides is called?

**Ans:** Octagon

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**Q20:** 1 metric ton is equal to \_\_\_?

**Ans:** 1000 Kilograms

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**Q21:**  $1/3 + 1/6 = \underline{\quad}$ ?

**Ans:**  $1/2$

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**Q22:** Which one of the following is not a prime number?

**Ans:** 91

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**Q23:** Write the base of  $(-6)^5$ ?

**Ans:** -6

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**Q24:**  $5/6 \times 2/5 = ?$

**Ans:**  $1/3$

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**Q25:** Mean value theorem is applied to \_\_\_\_\_ functions.

**Ans:** Both A and B

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**Q26:** The decimal number 33 can be expressed in binary as?

**Ans:** 100001

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**Q27:** Which of the following is divisible by 12?

**Ans:** 4404

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**Q28:** The square of 35 is \_\_\_\_?

**Ans:** 1225

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**Q29:** The number whose 3% is 60, is \_\_\_\_?

**Ans:** 2000

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**Q30:** If 54 is subtracted from 3 times a certain number the result is 36. Find the number?

**Ans:** 30

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**Q31:** How many acres are there in one hectare?

**Ans:** 2.47

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**Q32:** The mean of 50 observations was 36. It was found later that an observation 48 was wrongly taken as 23. The corrected new mean is \_\_\_\_\_?

**Ans:** 36.5

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**Q33:** How many pieces of 0.85 meters can be cut from a rod 42.5 meters long?

**Ans:** 50

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**Q34:** 4.036 is divided by 0.04 we get?

**Ans:** 100.9

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**Q35:** X, 9, 25, 49, 81, 121. Find the value of x?

**Ans:** 1

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**Q36:**  $\frac{3}{4} + \frac{5}{8} - \frac{1}{2} = ?$

**Ans:** 0.87

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**Q37:**  $(-3)^3$  means minus three cube =?

**Ans:** -27

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**Q38:** Surface area of sphere is \_\_\_\_\_?

**Ans:**  $4\pi r^2$

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**Q39:** Which of the following is a factor of 36?

**Ans:** All of these

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**Q40:** What is 45% of 300?

**Ans:** 135

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**Q41:** During the school assembly, 96 students are standing in 6 equal rows. How many students are there in 1 row?

**Ans:** 16

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**Q42:** The difference of two positive integers is 3 and the sum of their squares is 89. The integers are \_\_\_\_\_?

**Ans:** {5, 8}

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**Q43:** What is the ratio of 400 meters to 2 kilometers?

**Ans:** 1:5

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**Q44:** In the quadratic equation the highest power of variable is \_\_\_\_?

**Ans:** 2

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**Q45:** 0.05 is equal to which of the following fractions?

**Ans:** 1/20

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**Q46:** One mile is equal to how many kilometers?

**Ans:** 1.609

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**Q47:**  $7/4 \div [77/8 \div 30/5] = \underline{\hspace{1cm}}?$

**Ans:** 12/11

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**Q48:** Which of the following fractions is less than 7/8 and greater than 1/3?

**Ans:** 17/24

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**Q49:** Rashid buys 3 books for Rs. 16 each and four books for Rs. 23 each. What will be the average price of books?

**Ans:** 20

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**Q50:** in the right angle triangle one angle must be.

**Ans:** 90

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**Q51:** 5448 rounded off to the nearest 1000 is \_\_\_\_\_?

**Ans:** 5000

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**Q52:** How many pieces of 13.2 cm can be cut from from a 330 cm long rod?

**Ans:** 25

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**Q53:** What is the average of all prime numbers between 30 to 50?

**Ans:** 39.8

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**Q54:** In \_\_\_\_\_ proportion, one quantity is increase by decreasing the other quantity.

**Ans:** Inverse

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**Q55:** Sum of 4 A.M between 18 and 3 is \_\_\_\_\_?

**Ans:** 42

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**Q56:** What is the number of ways that 4 boys and 3 girls can be seated so that boys and girls alternate?

**Ans:** 144

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**Q57:**  $2 \times 2 + 2 \div 2 =$  \_\_\_\_\_?

**Ans:** 5

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**Q58:** If  $\frac{3}{11}$  of a number is 22, what is  $\frac{6}{11}$  of that number?

**Ans:** 44

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**Q59:**  $0.005 \times 0.2 = \underline{\quad}$ ?

**Ans:** 0.001

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**Q60:** If  $A = \{1,2,3,4,6\}$   $B = \{2,4,5,7\}$  then  $B-A = ?$

**Ans:** none

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**Q61:**  $30 + 39.98 = \underline{\quad}$ ?

**Ans:** 69.98

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**Q62:** A man spends Rs 3,300. This is 75% of his monthly income. His monthly income is?

**Ans:** 4400

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**Q63:** Solve the equation:  $(1/4+5/8) + (1/2+3/4)=?$

**Ans:**  $17/8$

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**Q64:**  $3.29 \times 1000$  is equal to  $\underline{\quad}$ ?

**Ans:** 3290

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**Q65:** Six tenths is the same as?

**Ans:** 0.6

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**Q66:** 1 square foot is equal to  $\underline{\quad}$ ?

**Ans:** 144 square inches

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**Q67:** Add  $46+37+29+5+14+33=?$

**Ans:** 164

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**Q68:** if two sides of a triangle are of equal length, then it is called.

**Ans:** Isosceles triangle

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**Q69:** If 10 people complete work in 20 days, in how many days can 8 people complete the same work?

**Ans:** 25 days

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**Q70:** Two numbers are in the ratio 5:4 and their difference is 10. What is the largest number?

**Ans:** 50

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**Q71:** The product of 513 with itself is?

**Ans:** 22.650

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**Q72:** A and B can together finish a work in 30 days. They worked together for 20 days and then B left after 20 days. A finished the work. In how many days A alone can finish the work?

**Ans:** 60

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**Q73:** In the series 0,1,1,2,3,5,8,13, the next term is

**Ans:** 21

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**Q74:** One Billion is equal to \_\_\_\_?

**Ans:** 100 Crores

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**Q75:** One Gram of Gold is equal to how many milligrams?

**Ans:** 1000 mg

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**Q76:** Kilometre is unit of distance in \_\_\_\_?

**Ans:** Metric system

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**Q77:** The greatest number which exactly divides 1050 and 750 is?

**Ans:** 150

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**Q78:**  $\frac{3}{8} + \frac{4}{2} = \underline{\hspace{1cm}}$ ?

**Ans:**  $\frac{19}{8}$

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**Q79:** Which function is greater than  $\frac{3}{4}$  or less than  $\frac{5}{6}$ ?

**Ans:**  $\frac{4}{5}$

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**Q80:** What is the prime factorization of 16?

**Ans:**  $2 \times 2 \times 2 \times 2$

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**Q81:** How many seconds are there in 27 minutes?

**Ans:** 1620

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**Q82:** A fraction in which the degree of the numeration (numerator) is greater than the degree of denominator is called?

**Ans:** An improper fraction

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**Q83:** 148 is divisible by \_\_\_\_?

**Ans:** 37

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**Q84:** How many months are in a decade?

**Ans:** 120

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**Q85:** Digital number 9 can be represented in binary number as?

**Ans:** 1001

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**Q86:** Zero divided by any non-zero whole number is \_\_\_\_\_?

**Ans:** Zero

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**Q87:**  $1/0.02 = \underline{\hspace{2cm}}$ ?

**Ans:** 50

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**Q88:**  $V = (88 \times 42) \div 16$

**Ans:** 53361

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**Q89:** The sum of first 10 natural numbers is equal to \_\_\_\_?

**Ans:** 55

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**Q90:** What is the number whose square and cube are the same?

**Ans:** 1

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**Q91:** HCF of 60 and 72 is.

**Ans:** 12

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**Q92:** Which positive integer is a multiple of 3 and less than double the square of 4?

**Ans:** 18

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**Q93:**  $888/0.8 \times 8 = ?$  Home Mathematics  $888/0.8 \times 8 = ?$

**Ans:** 8880

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**Q94:** How many years are there in a decade?

**Ans:** 10

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**Q95:**  $(892)^2 = ?$

**Ans:** 795664

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**Q96:** The number "1" is \_\_\_ number.

**Ans:** Natural

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**Q97:** The set  $\{0\}$  is/an a \_\_\_\_\_ set.

**Ans:** Subset

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**Q98:** Which one among the following is not a prime number?

**Ans:** 1

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**Q99:** Complete the series: 1, 4, 9, 16, \_\_\_\_\_?

**Ans:** 25

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**Q100:** Vertical angles that are opposite to each other are also

**Ans:** Equal

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