KENDRIYA VIDYALAYA

SWAMI'S WORK BOOK

ON

MATHS
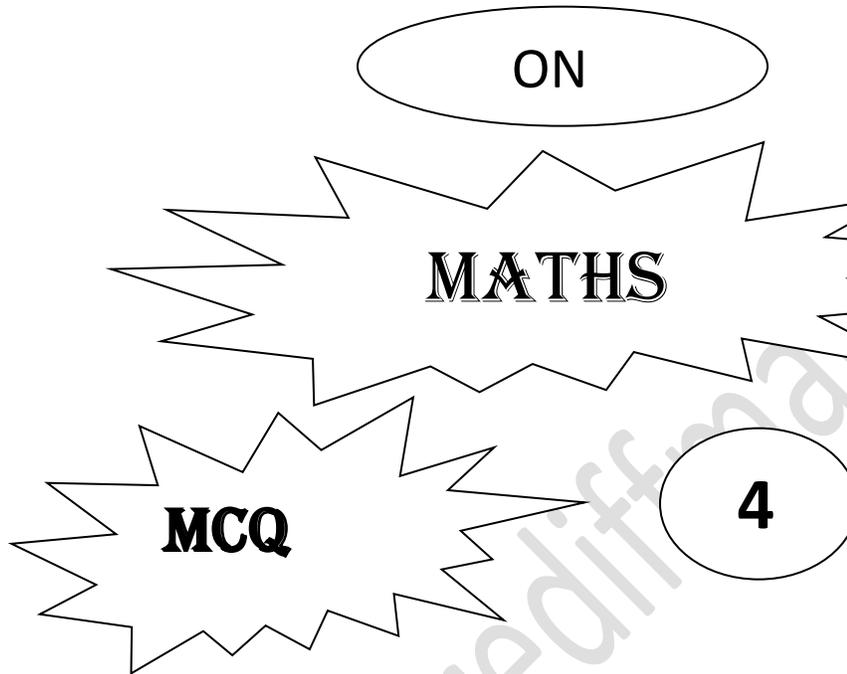
MCQ

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FOREWORD

I am very much thankful to my Principal, Headmaster, colleagues and Staff to motivate me to develop the MCQ for the primary classes of Kendriya Vidyalyas. Teaching of Mathematics in primary classes supplied me with idea do develop chapter wise MCQ for the children. These MCQs have been developed to provide parents and students support material to access their progress of learning Mathematics. Resource is strictly based on ncert books and follows CCE pattern.

I hope this MCQ will equally be useful to all the students of primary classes for competitive examinations like Maths Olympiads, Jawahar Navodaya Exams, etc.

I seek your valuable suggestions to improvement.

- Niraj Kumar

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NUMBER SYSTEM

A. Multiple choice questions

1. If a number is divisible by 10, it is also divisible by

    a) 5   b) 3   c)4

2. If one of the addends is even and the other is odd, the sum shall be

    a)even   b) odd   c)zero

3. What smallest number is to be added to an odd number ot get the next odd number?

    a) 0   b) 1   c) 2

4. The sum of two even number is a/ an_____ number.

    a) odd   b) even   c)prime

5. The smallest 3- digit number is_____

    a) 405   b) 100   c)115

6. In Roman number system M is written as

    a) 100   b) 500   c)1000

7. If sum of all the digits in a number is divisible by 3. Then the number is divisible by

    a) 5   b) 2   c)3

8. A number is divisible by 4, if last two digits are

    a) odd number   b) 00   c)Either 00 or divisible by 4

9. Factors of 15 are

    a) 1,3,5 and 15   b) 2,5 and 15   c)3 and 15

10. 1 more than largest 5- digit number is

    a) one lakh   b) ten lakh   c) ten million

11. the smallest 7-digit nimber in the International system is

    a) one million   b) ten million   c) one lakh

12. The compact form of 80000 + 7000+ 500+ 30 + 2 is

   a) 88930　　　　　b) 87532　　　　　c) 87362

13. The Place value of 8 in 2,589,237 is

   a) 800　　　　　b) 8000　　　　　c) 80000

14. Places in thousands period as per International system are

   a) 1　　　　　b) 2　　　　　c) 3

15. Hudred thousand is equal to

   a) 1 lakh　　　　　b) ten thousand　　　　　c) ten lakh

16. What is the greatest two-digit number?
    a) 10　　　　　b) 90　　　　　c) 11

17. What is the smallest three-digit number?

   a) 100　　　　　b) 999　　　　　c) 111

18. In 24,673; the place-value of 6 is …. .

   a) 700　　　　　b) 600　　　　　c) 10

19. In 24,673; the face-value of 4 is …... .

   a) 4　　　　　b) 2　　　　　c) 1000

20. The least number of two digits is …... .

   a) 99　　　　　b) 11　　　　　c) 90

21. The largest number of six digits is …... .

   a) 999999　　　　　b) 100000　　　　　c) 111111

22. The smallest number of seven digits is …... .

   a) 0　　　　　b) 9999999　　　　　c) 1010100

23. The difference between the smallest number of four digits and the largest number of three digits is ……. .

a) 0   b) 9999999   c) 1010100

24. The sum of the least number of three digits and largest number of two digits is …... .

a) 101   b) 199   c) 111

25. If a number has an even number or zero at its unit place; the number is always divisible by ……. .

a) 2   b) 5   c)3

26. How many digits are there in 1000?

a) One digit   b) Two digits   c) Four digits

27. Complete the sequence 13, 16, ……, 22.

a) 17   b) 18   c) 19

28.How many digits answer we will get when we add 99 and 1?

a) 1   b) 3   c) 99

29.What is the opposite of 6?

a) 6   b) 5   c) -6

ADDITION

1. 19 + ……. = 42

a) 23   b) 61   c) 0

2. Find the value of x; if x = (2 × 3) + 11.

a) 55   b) 192   c) 17

3. Find the sum of 111 + 222 + 333

a) 700   b) 666   c) 10

4. If x – 8564 = 9564 , then value of x is?

a) 1000   b) 1002   c) 1234

5. Monu bought a book for Rs 57 and a pen for Rs 20. Then his total cost is.

   a) 57   b) 77   c) 87

SUBTRACTION

1. 10001 – 101 =?

   a) 1001   b) 990   c) 9990

2.How much is 90 – 19?

  a) 71   b) 109   c) 89

3. Subtract 457 from 832

   a) 375   b) 57   c) 376

4.Subtract 457 from 832

   a) 375   b) 57   c) 376

5.If x + 3547 = 7000, then value of x is?

   a) 375   b) 57   c) 376

6. What should be added to 159 to get 300?

   a) 152   b) 141   c) 161

7. A shopkeeper bought a bag of rice for Rs 875. He sold it for loss of Rs 50. What was his selling price.

   a) 835   b) 735   c) 726

8. What should be substracted form 1000 to get 899?

a) 530   b) 101   c) 202

MULTIPLICATION

1. The product of a number and 100 is 73200, what is the number?

    a) 732   b) 73200   c) 7320

2. The product of 785 and 0 is

    a) 0   b) 12   c) 25

3. The cost of 5 eggs at the rate of Rs 60 per dezon is_____

    a) 120   b) 300   c) 320

4. If 50 added to itself 100 times, the answer is _____

    a) 50   b) 500   c) 5000

5. The number 8 times greater than 236 is _____

    a) 2888   b)1888   c) 8888

6. The value of 400 x 400 is same as

    a) 4 x 4 x 100 x 100   b) 40 x 35   c) 40 x 4

7. The biggest number shall be

    a) 40 x 52   b) 63 x 15   c) 22 x 11

8. What is 121 times 11?

    a) 1331   b) 1313   c) 1133

9. What is 1000 × 1 equal to?

    a) 1   b) 1000   c) 0

10. 50 times 5 is equal to

    a) 2500   b) 505   c) 500

11. Find the product of 72 x 3

    a) 216   b) 7230   c) 106

12. Which number occurred before 9019?

    a) 9099   b) 9109   c) 9091

DIVISION

1. When we devide a given number by 1000, the quotient is obtained by removing the_____from the right.
    a) first three digit   b) last three digit   c) first two digit

2. The divisor is 13, quotient is 3 and remainder is 11, then dividend is

    a) 46   b) 50   c) 143

3. The quotient in 43021 / 1000 is

    a) 43   b) 4   c) 430

4. The cost of 20 books is Rs 400. The cost of each book is

    a) 20   b) 420   c) 800

5. Dividing 144 by 9 and adding 14 to the quotient we get

    a) 30   b) 16   c) 20

6. A number is divisible by 5 if its unit digit is ………………… .

    a) 2 or 0   b) 10 or 0   c) 0 or 5

7. 20 is divisible by ……… .

    a) 1   b) 3   c) 7

8. 90 ÷ 10

    a) 9   b) 10   c) 900

9. What is the remainder of 21 divided by 7?

a) 21   b) 7   c) 1

FACTORS & MULTIPLES

Multiple choice questions

1. A natural number that has only two factors, 1 and the number itself, is called

a) A composite number   b) an even nimber   c) a prime number

2. A number that has more than two factors is called

a) A composite number   b) a prime number   c) an even mumber

3. The smallest even prime number is

a) 2   b) 3   c) 4

4. Every prime number expect_____is odd.

   a) 2   b) 3 c) 11

5. The prime numbers between 1 and 50 are

   a) 10   b) 14   c) 15

6. The smallest even composite number is

   a) 2   b) 3   c)4

7. Two prime numbers whose difference is 3

   a) 5   b) 6   c)7

8. The smallest odd prime nimber is

a) 5   b) 2   c)3

9. All even numbers are multiple of

   a) 2   b) 5   c)3

10. Two consecutive prime numbers are

   a) 3 and 5   b) 5and 7   c)2 and 3

11. What is the largest two digits prime number?

   a) 96   b) 97   c)98

12. How many factors are there in 71?

   a) 1   b) 2   c) 3

13. Which is the largest number in 15/17, 15/18, 15/19, 15/21?

   a) 15/17   b) 15/18   c)15/19

14. 2 is a …………… number.

   a) Odd   b) Prime   c) composite

15. What is the sum of one digit prime numbers?

   a) 11   b) 13   c) 15

16. Factors of 9 are…..

   a) 1, 2 and 3   b) 1, 2, 3 and 9   c) 1, 6 and 9

17. What kind of number is 37?

   a) Odd.   b) Prime.   c) Both a and b.

MONEY

Multiple choice questions

1. To convert rupees ino paise, multiply the rupees by
   a) 10   b) 100   c) 1000
2. If a TV set costs Rs 9870 and it costs Rs 3275 more than a DVD player. The cost of both the items shall be
   a) Rs 16465   b) 13145   c) 6695

3. If a toy cost Rs 108, the cost of each toy car is given by
   b) 12 x 108   b) 12 + 108   c) 105 divided by 12

4. 9000 p is equal to
   a) Rs 9   b) Rs 90   c) Rs 10

FRACTIONS

1. What is three fifth of 100?

   a) 50   b) 60   c) 20

2. Pair of fraction that cannot form a whole
   a) 3/7 + 2/7   b) 4/8/+/4/8   c) 1/9 + 9/9

3. The mixed fraction for 18/7 is
   a) 50   b) 2 4/7   c) 1/ 10

4. The improper fraction is

   a) 1/5   b) 3/5   c) 9/7

5. ¼ x 24 is equal to
   a) 2   b) 6   c) 4

6. What is the reciprocal of 17/15?

   b) 15/17   b) 30/34   c) 41/15

7. ½ + ½ + ½ + ½ = ?

a) 5   b) 1   c) 2

MEASUREMENT(Time,Distance & Capacity)

TIME

1. The time from midnight of mid day is termed as

   a) a.m.   b) p.m.   c) a.m. and p.m.

2. time 10 minutes to 10 o' clock is written as

   a) 9:50   b) 10   c)10:10

3. A train was late by 2 hours 30 minutes. It arrived at 12:30 p.m. What was the scheduled time of arrival?

   a) 3: 00 p.m.   b)1: p.m   c) 10: 00 a.m.

4. How many days are there is leap year?

   a) 350   b) 365   c) 366

5. How many months are equal to 45 days?

   a) 1 ½ months.   b) 1 ¼ months.   c) ¼ months.

6. Speed of a car is 60 km/hr. Distance covered in 1 ¼ hours is ………

   a) 60 km.   b) 65 km.   c) 70 km.

7. How many hours in 90 minutes?

   a) 1.5 hours   b) 1.30 hours   c) 1 hour

8. How many years are there in a decade?

   a) 5   b) 10   c) 15

9. How many months have 30 day.

   a) 2 months   b) 4 months   c) 11 months

10. In a century how many months are there?

   a) 12   b) 120   c) 1200

11. If David's age is 27 years old in 2011. What was his age in 2003?

   a) 19 years   b) 37 years   c) 20 years

weight

1. The lowest unit of weight is
   a) decigram   b) centigram   c) milligram
   b)

2. The weight of a baby is 2651 g. it is equal to
   b) 2 kg 651 g   b) 26 kg 51g   c) 265kg 1g

3. How much water is added to 750 g milk to get 1 kilogram mixture of liquid?

   a) 2.5 kg.   b) 0.25 kg.   c) 20.5 kg.

4. 1010 gram = ……… kg.

   a) 10.10 kg.   b) 1.001 kg.   c) 1.01 kg.

Distance

   6.Which unit is used to measure length and breadth?

   a) Scale.   b) Meter.   c) Liter.

Volume

1. What is the unit of volume?

   a) square units.   b) cubic units.   c) only unit.

GEOMETRY

Multiple choice questions

1. Number of line- segments can be drawn by joining any two points

   a) one   b) two   c) three

2. A ray has_____end points.

    a) 1   b) 3   c)2

3.Polygon with 7 sides is called

    a) hexagon   b) heptagone   c)octagone

4. diameter is a line sgement with its end points lying on

    a) circle   b) squire   c)triangle

5. A triangle with all sides equal is

    a) isssceles   b) scalene   c)equilateral

6. if radius of a circle is 8 cm. Then it diameter will be

    a) 7   b) 16   c) 6

7. A circle is a plane bounded by

    a) a straight line   b) a closed curve   c) a line - segment

8. The line joining the centre to any point on its circumference is called its

    a) diameter   b) chord   c) radius

9.How many surfaces are there in a cube?

    a) 3   b) 4   c) 5

10.How many lines can be drawn through two points?

    a) 1   b) 2   c)3

  5. How many diagonals are there in a quadrilateral?

    a) 2   b) 3   c)4

ANGLES

1. Name a triangle whose two angles are equal.

   a) Right angle triangle.   b) Isosceles triangle.   c) Scalene triangle.

2. An acute angle is …….

   a) 90 degree   b) less than 90 degree.   c) more than 90 degree.

3. How many angle does a square have?

   a) 0   b) 5   c) 4

4. What do we use to measure angle?

   a) divider   b) compass   c) protecor

SIMPLIFICATION

1. Simplify: 26 + 32 - 12

   a) 0   b) 32   c)46

2. Solve : 200 – (96 ÷ 4)

   a) 105   b) 176   c) 16

3. Solve : 24 + 4 ÷ 4

   a) 25   b) 28   c)6

4. Simplify : 3 + 6 x (5 + 4) ÷ 3 - 7

   a) 11   b)16   c)14

5. Simplify :150 ÷ (6 + 3 x 8) - 5

   a) 2   b) 5   c)0

Perimeter and Area

1. Perimeter of the rectangle is

   a) l x b sq. unit   b) 2(l + b) unit   c) side x side sq. unit

2. Area of the rectangle is

   a) l x b sq. unit   b) 2 (l + b) unit   c) side x side sq. unit

3. Perimeter of the rectangle is

   a) l x b sq. unit   b) 2(l + b)   c) side x side sq. unit

4. Perimeter of squire is

   a)   4 x side unit   b) side x side   c) side + side unit

5. Perimeter of the rectangle ABCD is

   a)   AB + BC+ CD +DA unit   b) 4 x side   c) side x side sq. unit

6. Perimeter is also known as

   a)   boundary   b) area   c) pentagone