

Dr. M.K.K. Arya Model school  
Holidays Homework  
Class VI  
MATHS

- Solve the assignment in separate notebook.
- Solve the worksheets
  - Worksheet 1:- Knowing our Numbers
  - Worksheet 2:- Knowing Our Numbers
  - Worksheet 3:- Whole Numbers
  - Worksheet 4:- Whole Numbers
- Do the project in scrap book.

**Dr. M.K.K. ARYA MODEL SCHOOL**

**Maths Holidays Homework**

**Class VI**

**Worksheet 1**

Q1. Write first five multiples of 8.

Q2. Find the possible factors of 36 and 45.

Q3. State true or false.

- (a) All natural numbers are whole numbers.
- (b) Smallest prime number is 2.
- (c) 1 is a composite number.
- (d) Sum of two prime numbers is always even.
- (e) All even numbers are composite numbers.

Q4. Write all the factors of 68.

Q5. What is the sum of any two (a) odd numbers (b) even numbers? Give example.

Q6. Express the following as the sum of two odd primes.

- (a) 24    (b) 36    (c) 44    (d) 18

Q7. Write seven consecutive composite numbers less than 100 so that there is no prime number between them.

Q8. State how to test divisibility by 6.

Q9. Using Divisibility test, determine which of the following numbers are divisible by 11:

- (a) 5445    (b) 70169308    (c) 10000001    (d) 901153

Q10. Using divisibility tests, determine which of the following numbers are divisible by 4 and 8:

- (a) 14560    (b) 6000    (c) 12159    (d) 31795072

Q11. Find common factors of

- (a) 15 and 25    (b) 56 and 120

Q12. Fill in the blanks:

- (a) The smallest even prime number is .....
- (b) A ..... of a number is exactly divisible by the number.
- (c) The two factors always possible for the number are ..... and .....
- (d) Two prime numbers whose difference is 2 are called .....
- (e) An exact divisor of the number is called ..... of the number.

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**Worksheet 2**

Q1. State how to test divisibility by 11.

Q2. Write the factors of

(a) 23    (b) 36    (c) 21    (d) 24    (e) 19    (f) 121    (g) 56    (h) 37

On the basis of the factors obtained in above parts, state which numbers are prime and which are composite.

Q3. Write first five multiples of (a) 15    (b) 6    (c) 17

Q4. Match the items in Column 1 and column 2

**COLUMN 1**

**COLUMN 2**

(a) 285672

Whole numbers

(b) 32

Twin Primes

(c) 3 and 5

Divisible by 6

(d) 0,1,2,3, and so on

Multiple of 8

Q5. Express each of the following as the sum of three odd primes.

(a) 31    (b) 45    (c) 65    (d) 18    (e) 53

Q6. Using divisibility test, determine which of the following are divisible by 6:

(a) 297144    (b) 285672    (c) 10824    (d) 7138965    (e) 5445    (f) 639210

Q7. Write the smallest and the greatest digit in the blank space of each of the following numbers so that the number formed is

(a) Divisible by 6

(i) ....6724    (ii) 4765.....2

(b) Divisible by 11

(i) 92....389    (ii) 8....9484

Q8. Find first three common multiples of 6 and 8.

Q9. Which of the following are co-prime?

(a) 17 and 68    (b) 81 and 16    (c) 15 and 37

Q10. Write down separately the prime and composite numbers less than 45.

Q11. List all the prime numbers less than 100.

Q12. Which is the smallest 4 digit number divisible by 7.

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Maths Holidays Project  
Class VI

- Find out population of different states of INDIA.
- Write the populations in Indian and International system of Numeration.
- Answer which state has maximum population and which state has minimum population.