

Grade 6 Playing with Numbers Worksheets

Grade 6 Maths Playing with Numbers Multiple Choice Questions (MCQs)

1. Which of the following is smallest prime number?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

2. The only prime number which is also even:

- (a) 1
- (b) 2
- (c) 4
- (d) 6

3. Tell the maximum consecutive numbers less than 100 so that there is no prime number between them.

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

4. If a number is divisible by 2 and 3 both then it is divisible by:

- (a) 5
- (b) 6
- (c) 8
- (d) 10

5. Which of the following number is divisible by 3?

- (a) 121
- (b) 123
- (c) 124
- (d) 122

6. A number is divisible by 4 if its:

- (a) last digit is 4
- (b) last digit is 0
- (c) last two digits are divisible by 4
- (d) last digit is 8

7. Two numbers having only 1 as common factor are called:

- (a) prime numbers
- (b) co-prime numbers

(c) composite numbers

(d) odd numbers

8. Which of the following pair is co-prime?

(a) 6 and 8

(b) 18 and 35

(c) 7 and 35

(d) 30 and 415

9. The exact divisor of number 9 is:

(a) 2

(b) 3

(c) 4

(d) 5

10. Which number is a factor of every number?

(a) 1

(b) 2

(c) 10

(d) 100

11. Every number is multiple of:

(a) 1

(b) 2

(c) 10

(d) itself

12. A number for which sum of all its factors is equal to twice number is called:

(a) perfect number

(b) even number

(c) odd number

(d) prime number

13. How many factors does 36 has?

(a) 7

(b) 9

(c) 10

(d) 8

14. The numbers having two factors are called:

(a) Even

(b) Odd

(c) Prime

(d) Composite

15. Which number is neither prime nor composite?

(a) 0

(b) 1

(c) 2

(d) 3

16. The multiple of 2 are also called:

- (a) even numbers
- (b) odd numbers
- (c) prime numbers
- (d) composite numbers

17. The product of L.C.M. and H.C.F. of two numbers is equal to

- (a) sum of number
- (b) difference of numbers
- (c) product of numbers
- (d) quotients of numbers

18. L.C.M. of two co-prime numbers is always

- (a) product of numbers
- (b) sum of numbers
- (c) difference of numbers
- (d) none of these

19. Divisibility by 2, 5, 10 can be checked by:

- (a) sum of digits
- (b) last digit
- (c) last two digits
- (d) last three digits

20. If a number is divisible by 9, it must be divisible by:

- (a) 6
- (b) 3
- (c) 2
- (d) 12

Class 6 Maths Playing with Numbers True (T) or False (F)

1. The sum of three odd numbers is even.
2. The sum of two odd numbers and one even number is even.
3. The product of three odd numbers is odd.
4. If an even number is divided by 2, the quotient is always odd.
5. All prime numbers are odd.
6. Prime numbers do not have any factors.
7. Sum of two prime numbers is always even.
8. 2 is the only even prime number.
9. All even numbers are composite numbers.
10. The product of two even numbers is always even.

Class 6 Maths Playing with Numbers Very Short Answer Type Questions

1. Write all factors of 68.
2. Write first five multiples of 6.

3. Find all the multiplies of 9 upto 100.
4. Write all the prime numbers less than 15.
5. Give three pairs of prime numbers whose difference is 2.
6. Write all the numbers less than 100 which are common multiples of 3 and 4.

Class 6 Maths Playing with Numbers Short Answer Type Questions

1. Test the divisibility of the following numbers by 11.
(a) 5335
(b) 70169803
(c) 10000001
2. Find the smallest number having three different prime factors.
3. Find HCF of 140, 210 and 350.
4. Find LCM of 18, 24 and 56.

Class 6 Maths Playing with Numbers Long Answer Type Questions

1. Find the greatest number of four digits which is exactly divisible by 45 and 50.
2. In a morning walk 3 persons step off together. Their steps measure 80cm, 85cm and 90cm respectively. What is the minimum distance each should walk so that he can cover the distance in complete steps?
3. Find the greatest number which divides 319, 572 and 1329 leaving remainders 4, 5 and 6 respectively.