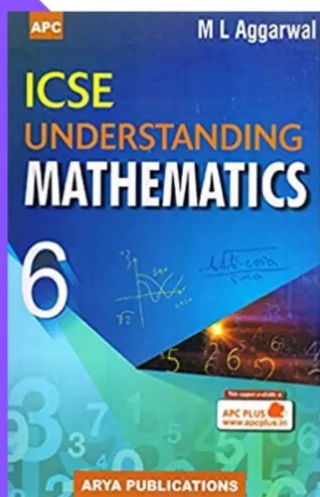


ML Aggarwal Solutions for Class 6 Maths

Chapter 4- Playing with Numbers



www.indcareer.com/schools



ML Agrawal Solutions

CLASS 6 MATHS

Chapter 4: Playing with
Numbers

For any clarifications or questions you can write to info@indcareer.com

Postal Address

IndCareer.com, 52, Shilpa Nagar, Somalwada Nagpur - 440015
Maharashtra, India

WhatsApp: +91 9561 204 888, **Website:** <https://www.indcareer.com> Class 8: Biology
Chapter 6 solutions. Complete Class 8 Biology Chapter 6 Notes.

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-4-playing-with-numbers/>

ML Aggarwal Solutions for Class 6 Maths

Chapter 4- Playing with Numbers

Class 6: Maths Chapter 4 solutions. Complete Class 6 Maths Chapter 4 Notes.

ML Aggarwal Solutions for Class 6 Maths Chapter 4- Playing with Numbers

ML Aggarwal 6th Maths Chapter 4, Class 6 Maths Chapter 4 solutions

1. Fill in the blanks:

(i) A number having exactly two factors is called a

Solution:

A number having exactly two factors is called a prime number.

(ii) A number having more than two factors is called a

Solution:-

A number having more than two factors is called a composite number.

(iii) 1 is neither nor

Solution:-

1 is neither prime nor composite.

(iv) The smallest prime number is

Solution:-

The smallest prime number is 2.

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-4-playing-with-numbers/>

(v) The smallest odd prime number is

Solution:-

The smallest odd prime number is 3.

(vi) The smallest composite number is

Solution:-

The smallest composite number is 4.

(vii) The smallest odd composite number is

Solution:-

The smallest odd composite number is 9.

(viii) All prime numbers (except 2) are

Solution:-

All prime numbers (except 2) are odd numbers.

3. State whether the following statements are true (T) or false (F):

(i) The sum of three odd numbers is an even number.

Solution:-

False

For example, take three odd numbers 1, 3 and 5.

Then, sum of three odd numbers = $1 + 3 + 5$

= 9 is an odd number

(ii) The sum of two odd numbers and one even number is an even number.

Solution:-

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-4-playing-with-numbers/>

True

For example, take two odd numbers 1, 3 and one even number 4.

Then, sum of two odd numbers and one even number = $1 + 3 + 4$

= $4 + 4$

= 8 is an even number

(iii) The product of two even numbers is always an even number.

Solution:-

True

For example, take two even numbers 2, 4

Then, product of two even numbers = $2 \times 4 = 8$ is an even number.

(iv) The product of three odd numbers is an odd number.

Solution:-

True

For example, take three odd numbers 1, 3 and 5

Then, product of three odd numbers = $1 \times 3 \times 5 = 15$ is an odd number.

(v) If an even number is divided by 2, the quotient is always an odd number.

Solution:-

False

For example, take an even numbers 8

Then, divide an even number by 2 we get = $8/2$

= 4 is an even number.

(vi) All prime numbers are odd.

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-4-playin-g-with-numbers/>

Solution:-

False

All the prime numbers except 2 are odd.

(vii) All even numbers are composite.

Solution:-

False

(viii) Prime numbers do not have any factors.

Solution:-

False

(ix) A natural number is called a composite number if it has at least one more factor other than 1 and the number itself.

Solution:-

True

(x) Two consecutive numbers cannot be both prime.

Solution:-

False

(xi) Two prime numbers are always co-prime numbers.

Solution:-

True

3. Write all the factors of the following natural numbers:

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-4-playin-g-with-numbers/>

(i) 68

(ii) 27

(iii) 210

Solution:-

(i) 68

The factors of natural number 68 are,

1, 2, 4, 17, 34, 68

(ii) 27

The factors of natural number 27 are,

1, 3, 9, 27

(iii) 210

The factors of natural number 210 are,

1, 2, 3, 5, 6, 7, 10, 14, 15, 21, 30, 35, 42, 70, 105, 210

4. Write first six multiples of the following natural numbers:

(i) 3

(ii) 5

(iii) 12

Solution:-

(i) 3

The first six multiples of natural number 3 are 3, 6, 9, 12, 15, 18

(ii) 5

The first six multiples of natural number 5 are 5, 10, 15, 20, 25, 30

(iii) 12

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-4-playing-with-numbers/>

The first six multiples of natural number 12 are 12, 24, 36, 48, 60, 72

5. Match the items in column 1 with the items in column 2:

Column 1	Column 2
(i) 15	(a) Multiple of 8
(ii) 36	(b) Factor of 30
(iii) 16	(c) Multiple of 70
(iv) 20	(d) Factor of 50
(v) 25	(e) Multiple of 9
(vi) 210	(f) Factor of 20

Solution:-

Column 1	Column 2
(i) 15	(b) Factor of 30
(ii) 36	(e) Multiple of 9
(iii) 16	(a) Multiple of 8
(iv) 20	(f) Factor of 20
(v) 25	(d) Factor of 50
(vi) 210	(c) Multiple of 70

6. Find the common factors of :

(i) 20 and 28

Solution:-

First we have to find out the factors of 20 and 28,

The factors of 20 are: 1, 2, 4, 5, 10, 20

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-4-playing-with-numbers/>

The factors of 28 are: 1, 2, 4, 7, 14, 28

Now,

The common factors of 20 and 28 are: 1, 2, 4

(ii) 35 and 50

Solution:-

First we have to find out the factors of 35 and 50,

The factors of 35 are: 1, 5, 7, 35

The factors of 20 are: 1, 2, 4, 5, 10, 20

Then,

The common factors of 35 and 20 are 1, 5

(iii) 56 and 120

Solution:

First we have to find out the factors of 56 and 120,

The factors of 56 are: 1, 2, 4, 7, 8, 14, 28, 56

The factors of 120 are: 1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 24, 30, 40, 60, 120

Then,

The common factors of 56 and 120 are 1, 2, 4, 8



ML Aggarwal Solutions Class 6 Maths

- Chapter 1- Knowing Our Numbers
- Chapter 2- Whole Numbers
- Chapter 3- Integers
- Chapter 4- Playing with Numbers
- Chapter 5- Sets
- Chapter 6- Fractions
- Chapter 7- Decimals
- Chapter 8- Ratio and Proportion
- Chapter 9- Algebra
- Chapter 10- Basic Geometrical Concept
- Chapter 11- Understanding Symmetrical Shapes
- Chapter 12- Symmetry
- Chapter 13- Practical Geometry
- Chapter 14- Mensuration
- Chapter 15- Data Handling

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-4-playing-with-numbers/>

About ML Aggarwal

M. L. Aggarwal, is an Indian mechanical engineer, educator. His achievements include research in solutions of industrial problems related to fatigue design. Recipient Best Paper award, Manipal Institute of Technology, 2004. Member of TSTE.

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-4-playing-with-numbers/>

About IndCareer

IndCareer.com is a leading developer of online career guidance resources for the Indian marketplace. Established in 2007, IndCareer.com is currently used by over thousands of institutions across India, including schools, employment agencies, libraries, colleges and universities.

IndCareer.com is designed to assist you in making the right career decision - a decision that meets your unique interests and personality.

For any clarifications or questions you can write to **info@indcareer.com**

Postal Address

IndCareer.com
52, Shilpa Nagar,
Somalwada
Nagpur - 440015
Maharashtra, India

WhatsApp: +91 9561 204 888

Website: <https://www.indcareer.com>

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-4-playin-g-with-numbers/>