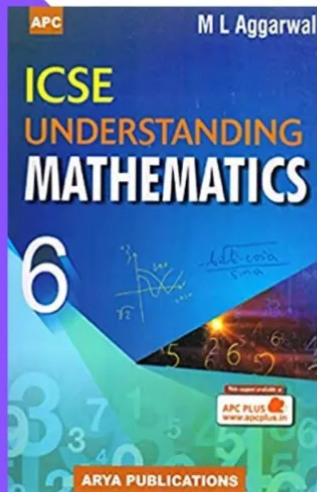


ML Aggarwal Solutions for Class 6 Maths

Chapter 9- Algebra





ML Agrawal Solutions

CLASS 6 MATHS

Chapter 9: Algebra

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ML Aggarwal Solutions for Class 6 Maths

Chapter 9- Algebra

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ML Aggarwal Solutions for Class 6 Maths Chapter 9- Algebra

ML Aggarwal 6th Maths Chapter 9, Class 6 Maths Chapter 9 solutions

1. Find the rule which gives the number of matchsticks required to make the following matchsticks patterns. Use a variable to write the rule.

(i) A pattern of letter T as T

(ii) A pattern of letter V as V

(iii) A pattern of letter Z as Z

(iv) A pattern of letter U as U

(v) A pattern of letter F as F

(vi) A pattern of letter S as S

Solution:

(i) Number of matchsticks required = $2n$

(ii) Number of matchsticks required = $2n$

(iii) Number of matchsticks required = $3n$

(iv) Number of matchsticks required = $3n$

(v) Number of matchsticks required = $4n$

(vi) Number of matchsticks required = $5n$

2. If there are 24 mangoes in a box, how will you write the number of mangoes in terms of the number of boxes? (Use b for the number of boxes.)

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Solution:

Total number of mangoes = $24b$

3. Anuradha is drawing a dot Rangoli (a beautiful pattern of lines joining dots). She has 8 dots in a row. How many dots will her Rangoli have for r rows? How many dots are there if there are 12 rows?

Solution:

Given:

Number of dots in 1 row = 8

Number of dots in ' r ' rows = $8 \times r = 8r$

Number of dots in 12 rows = $12 \times 8 = 96$

4. Anu and Meenu are sisters. Anu is 5 years younger than Meenu. Can you write Anu's age in terms of Meenu's age? Take Meenu's age as x years.

Solution:

Yes, we can write Anu's age in terms of Meenu's age.

We know that age of Meenu = x years

It is given that Anu is 5 years younger than Meenu.

So, age of Anu = $(x - 5)$ years

5. Oranges are to be transferred from larger boxes to smaller boxes. When a larger box is emptied, the oranges from it fill 3 smaller boxes and still 7 oranges are left. If the number of oranges in a small box is taken to be x , then what is the number of oranges in the larger box?

Solution:

Let us consider number of oranges in a smaller box be ' x '.

So, number of oranges in 3 smaller boxes = $3x$

Number of oranges remained outside = 7

So, number of oranges in the larger box = $3x + 7$

6. Harsha's score in Mathematics is 15 more than three-fourth of her score in Science. If she scores x marks in Science, find her score in Mathematics?

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Solution:

Let us consider the score of Science be 'x'.

It is given that Harsha's score in Mathematics is = $\frac{3}{4}$ th of $x + 15$

So, Harsha's score in Mathematics is $\frac{3}{4}x + 15$



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- 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
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- Chapter 12- Symmetry
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- Chapter 15- Data Handling

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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.

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