EXERCISE 16.1 - Question No. 1

Find the values of the letters and give reasons for the steps involved. $3A + 25 = B2$

EXERCISE 16.1 - Question No. 2

Find the values of the letters and give reasons for the steps involved. $4A + 98 = CB3$

EXERCISE 16.1 - Question No. 3

Find the values of the letters and give reasons for the steps involved. $1A \times A = 9A$

EXERCISE 16.1 - Question No. 4

Find the values of the letters and give reasons for the steps involved. $AB + 37 = 6A$

EXERCISE 16.1 - Question No. 5

Find the values of the letters and give reasons for the steps involved. $AB \times 3 = CAB$

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EXERCISE 16.1 - Question No. 6

Find the values of the letters and give reasons for the steps involved. $AB \times 5 = CAB$

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EXERCISE 16.1 - Question No. 7

Find the values of the letters and give reasons for the steps involved. $AB \times 6 = BBB$

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EXERCISE 16.1 - Question No. 8

Find the values of the letters and give reasons for the steps involved. $A1 + 1B = B0$

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EXERCISE 16.1 - Question No. 9

Find the values of the letters and give reasons for the steps involved. $2AB + AB1 = B18$

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EXERCISE 16.1 - Question No. 10

Find the values of the letters and give reasons for the steps involved. $12A + 6AB = A09$

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EXERCISE 16.2 - Question No. 1

If 21y5 is a multiple of 9, where y is a digit, what is the value of y?

EXERCISE 16.2 - Question No. 2

If 31z5 is a multiple of 9, where z is a digit, what is the value of z?

You will find that there are two answers for the last problem. Why is this so?

EXERCISE 16.2 - Question No. 4

If 31z5 is a multiple of 3, where z is a digit, what might be the values of z?

SOLVED EXAMPLES - Question No. 1

Find Q in the addition. $31Q + 1Q3 = 501$

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SOLVED EXAMPLES - Question No. 2

Find A and B in the addition. $A + A + A = BA$

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SOLVED EXAMPLES - Question No. 3

Find the digits A and B. $BA \times B3 = 57A$

SOLVED EXAMPLES - Question No. 4

Check the divisibility of 21436587 by 9.

SOLVED EXAMPLES - Question No. 5

Check the divisibility of 152875 by 9.

SOLVED EXAMPLES - Question No. 6

If the three digit number 24x is divisible by 9, what is the value of x?

SOLVED EXAMPLES - Question No. 7

Check the divisibility of 2146587 by 3.

SOLVED EXAMPLES - Question No. 8

Check the divisibility of 15287 by 3.