

# Algebraic Expressions

Complete the given table using alphabets representing a number.

Expression in words	Expression using alphabets
Subtract 7 from a number	
Divide a number by 9	
	$13 \times 8$
12 times a number	
	$y - 3$
6 more than a number	
	$p + 19$
Add 65 to a number	
	$18 \div m$
Subtract 15 from a number	
	$n - 78$
Divide a number by 23	
	$34 \times p$
25 more than a number	
	$27 \div n$
	$s - 43$
Add 91 to a number	
	$q + 67$

## Writing Expressions

Write the algebraic expressions for the following statements

If each group has 8 students and there are ' $m$ ' groups in a class,  
What will be the total number of students in the class?

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If there are ' $k$ ' eggs in the refrigerator and mother brings 15 more,  
What will be the total number of eggs in the refrigerator?

\_\_\_\_\_

Ali had Rs 2000; he spent Rs ' $s$ ' to buy a toy car and Rs ' $t$ ' to buy a packet of crayons,  
What amount of money he left?

\_\_\_\_\_

If 15 packets of juice costs Rs ' $q$ ',  
then what will be the cost of 1 packet of juice?

\_\_\_\_\_

Grandmother divides Rs ' $m$ ' among her grandchildren equally,  
What will be the amount that each child gets?

\_\_\_\_\_

## Algebraic expressions

Check the correct box for each expression.

a. Divide a number by 8

$8 \div u$

$p \div 8$

$8 \div 8$

b. Add 75 to a number

$75 + p$

$p + 75$

$75 + 2$

c. 16 times a number

$16 \times m$

$16 \div p$

$16 + n$

d. 9 more than a number

$9 - a$

$9 \div 8$

$a + 9$

e. Subtract 16 from a number

$16 - z$

$p - 16$

$16 \times m$

f. Add 85 to a number

$85 + u$

$p + 85$

$85 - p$

g. Divide a number by 14

$14 \div m$

$m \div 14$

$14 \times p$

h. 18 less than a number

$18 - u$

$p - 18$

$18 \div m$

i. Subtract a number from 35

$35 - u$

$u + 35$

$u - 35$