

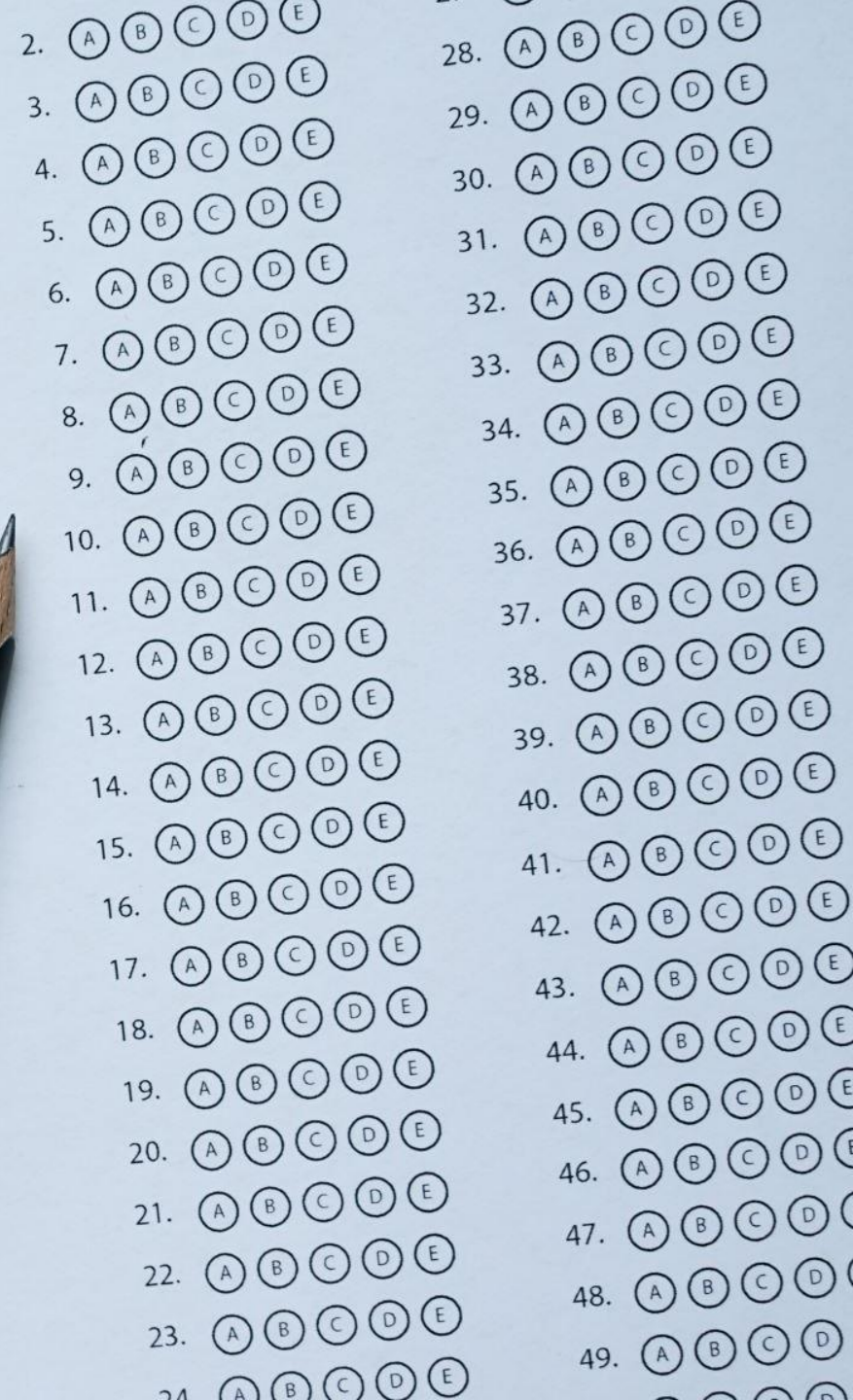
# Maths

L-12

Algebraic expressions

## Ex.12.7 finding the value of expression

- To find an algebraic expression means to find the value of the expression when the variable is replaced by the given number
- And to find an answer to any expression we must create an equation so that we do not create any mistakes while solving that expression.



# Formula and rules of algebraic expressions

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# Perimeter formulas

Perimeter means finding the length of boundary of something...

The perimeter formula for an equilateral triangle is :  $3 \times \text{length of its side}$   
:  $3l$

In same way the perimeter formula for other polygons such as square, pentagon, hexagon is as follow:-

Square:  $4 \times \text{length of its side} = 4l$

Pentagon:  $5 \times \text{length of its side} = 5l$

Hexagon:  $6 \times \text{length of its side} = 6l$



# Area formulas

Finding the area of any figure means to express the quantity used in that two-dimensional region .....

The area of square can be found by the length of its side so, the area formula for square is  $= l^2$

Same way for finding the area of rectangle the formula is:  $L*B$   
hence the area formula of rectangle is  $= lb$

Similarly if  $b$  stands for breadth and  $h$  stands for height of a triangle, then the area formula of triangle is :-

$$b*h/2 = bh/2$$