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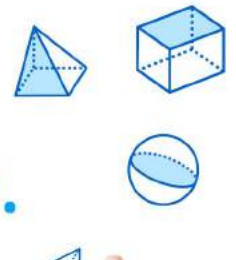

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5th Grade Algebra Worksheets

1) What value will come in place of ☐ :
☐ $9 \times 7 \div 3 = 12$
a) 32
b) 33
c) 34
d) 35

2) Form an expression:
34 subtracted from two times a number

3) Write the given equation in words: $6x + 5 = 11x$

4) Given that Area = Length × Breadth. Complete the table given below:

Area (sq. units)	Length (units)	Breadth(units)
56	8	
121		11

5) If a school's football team has lost one-third of the matches in a tournament, Find out the number of matches won by the team, if the total matches played so far is 282.

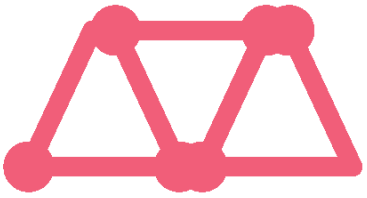
6) Solve for x:
   a) $4x + 6 = 78$
   b) $15 - 2x = 3x$

7) Number of children in the school's red house society is 400. Find the number of children in the yellow house if it is 2 less than twice the number of students in the red house.

8) Observe the pattern given below of triangles made by straws and fill the table given below:

Stage 1

Stage 2



Stage 3

Number of Triangles	Number of straws required
1	3
2	5
3	7
10	
15	
30	

9) Find the missing value.

$$121 + 8 - \square \div 2 = 127$$

10) Sam gets $40 as his pocket money. If he spends $15 on stationery, $17 on food, find out the amount left with Sam?

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- Gary Schwartz

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- Kirk Riley

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- Barbara Cabrera

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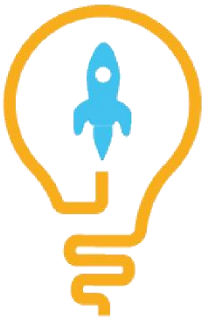

ANSWERS

1)	b) 33
2)	2x-34
3)	6 times a number added to 5 results in 11 times of that number
4)	a) 7 units b) 11 units
5)	188 matches
6)	a) 18 b) 3
7)	798 children
8)	10 – 21 straws 15 – 31 straws 30 – 61 straws
9)	4
10)	$8

FUN FACT

1. People have a tendency to use only x as the variable, but any alphabet or symbol or object can be used to denote a variable.

2. Algebra is used everywhere, literally 'everywhere' whether it is cooking, laundry, shopping, business, manufacturing, rocket science etc.

3. The signs of (+) and (-) were discovered in the 16th century. Before that, people use words to express addition and subtraction or positive and negative values which was a time consuming