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## Two Step Equations With Integers Worksheets

1) Solve the equation  $4.2x + 14.9 = 2.3$ .

2) What value of  $k$  satisfies the equation?

$$\frac{k+5}{\left(\frac{1}{4}\right)} = -5$$

3) If you multiply me by  $-7$  and subtract  $16$ , you will get  $25$ . Then who am I?



4)  $p$  and  $q$  are connected by the equation  $5p - 6q = 16$ . If  $q = \frac{3}{7}$ , find the value of  $p$ .

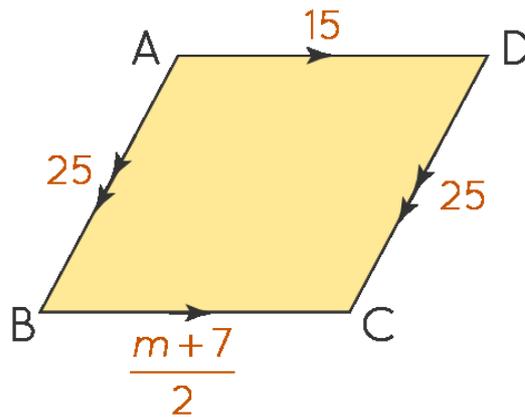
5) A book has  $295$  pages. Amelia had already read  $35$  pages. She is now able to spend only  $26$  days to read the complete book. Then how many pages that she has to read on each of the  $26$  days if we assume that she reads equal number of pages on each day?



6) Convert the following statement into an equation and solve it in two steps:

“Subtracting 5 from three-fourth of  $z$  results in 27.”

7) Find the value of  $m$  using the following parallelogram.



8) How old is Michael if 4 times of his age reduced by 750 is -602?

9) The sum of 3 consecutive integers is 72. Find the largest integer among these 3 integers?

10) If  $2m = 7 - m$ , and  $12 = -\frac{3}{4}(n - \frac{1}{4})$ , then find the value of  $mn$ .

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## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	$x = -3$
2)	$-25/4$
3)	$-41/7$
4)	$26/7$
5)	10 pages
6)	$128/3$
7)	23
8)	37 years
9)	25
10)	$-147/4$

## FUN FACT

- 1) A two-step equation can be solved using exactly two of the four operations addition, subtraction, multiplication, and division.
- 2) If the equation has addition, we subtract, and vice versa. Similarly, if the equation has multiplication, then we divide.
- 3) While solving the equations using an operation, the operation has to be done on both sides of the equation.

