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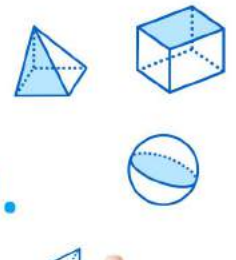

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TWO STEP EQUATIONS WORKSHEETS

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) Solve the equation for j.

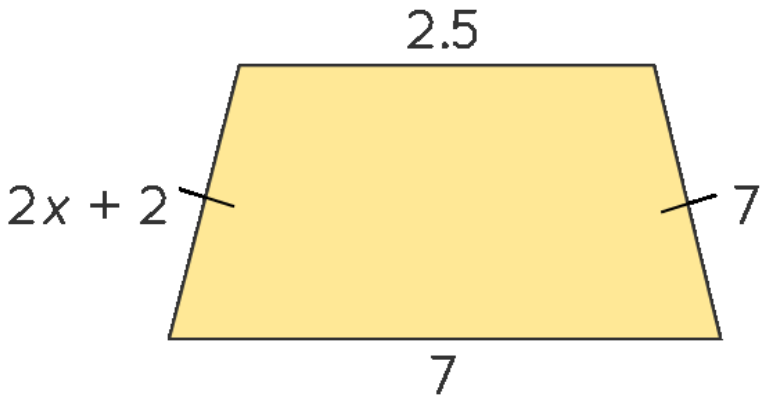
$$\frac{4}{7} = \frac{2}{7}\left(j + \frac{7}{8}\right)$$

5) If $x = -1$ and $2x + 3y = 8$, find the value of y.

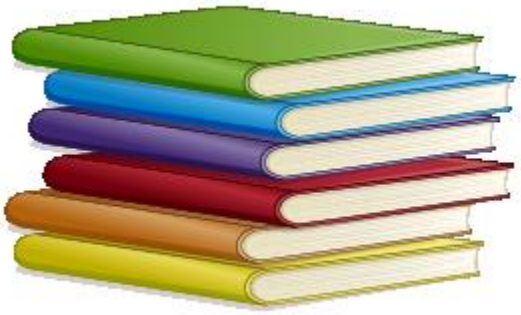
6) The length of a fridge is 3 units more than twice its width. If the length of the fridge is 13 units, then find its width.

7) Mia's father is 70 years old. He is 10 years older than 2 times Mia's age. Then how old is Mia?

8) Solve for x using the following isosceles trapezoid.



9) Jonathan has $95 and he bought 8 notebooks (each of the same cost). After buying the notebooks, he has $9 left. Then what is the cost of each notebook?



10) On Monday, Emma bought some CD boxes, each with 5 CDs inside it. On Wednesday, she gave 12 CDs to her friend and now she has 88 CDs left. Then how many CD boxes did she buy initially?

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"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

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- 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)	$k = \frac{-25}{4}$
3)	$\frac{-41}{7}$
4)	$j = \frac{9}{8}$
5)	$y = \frac{10}{3}$
6)	5 units
7)	30 years
8)	$x = 2.5$
9)	$10.75
10)	20 CD boxes

FUN FACT

1. Two-step equations are equations that can be solved using two steps.
2. In two step equations, we apply two operations on both sides of the given equation to solve it for the variable.
1. Dividing both sides by $\frac{a}{b}$ is same as multiplying both sides by $\frac{b}{a}$.