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Multi-Step Equations Worksheet

Questions

Follow the same instructions for question 1-5. Solve the following equations for the variable:

1. $5x - 4 = 6$

2. $8x + 3 = 4x - 9$

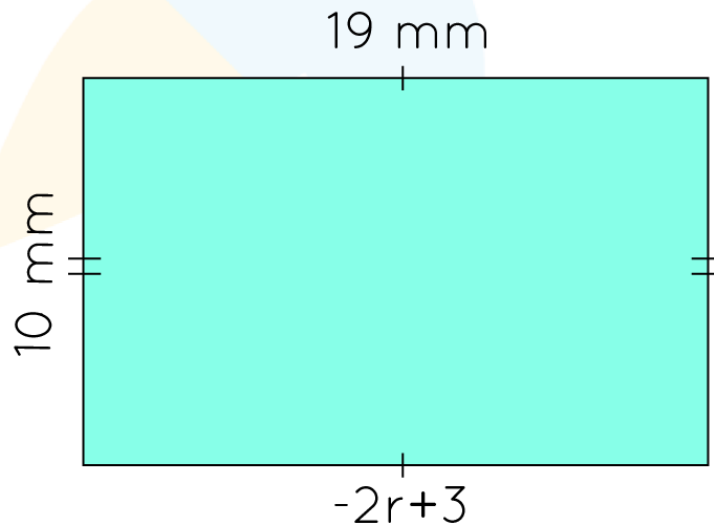
3. $4(2x - 3) = 5x - 3$

4. $8.1x - 3.2 = 4.9$

5. $\frac{4x}{2(x-1)} = 3$

6. Translate the following verbal statement into an algebraic expression: Difference of x and 5 divided by sum of $2x$ and 3 is 4.

7. Find x in the following figure:



8. Fill in the blank:

Trey has x chocolates. He eats 4 and then divides the remaining

among 2 of his friends. If each of them got 5 chocolates each, Trey initially had ____ bananas.

9. Tyler has x dollars to spend. He spends a third of it on his rent and $\frac{1}{3}$ rd of the remaining on his groceries. He is left with \$35. The value of x is:

- a. 60
- b. 61
- c. 62
- d. 63

10. A train leaves Chicago with 75 passengers towards New York. In Philadelphia, the number of passengers that get on are 4 times the number of passengers that get off. Now there are 93 people on board. How many passengers got off the train at LA.

- a. 5
- b. 6
- c. 7
- d. 8

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"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.	2
2.	-3
3.	3
4.	1
5.	3
6.	$\frac{x-5}{2x+3} = 4$
7.	$x = 9$
8.	14
9.	d. 63
10.	b. 6