

Multi-Step Equations Practice

Name: _____

Date: _____

Solve each equation. Show all your work.

Directions: Show all your work in the space provided. Write your final answer on the line.

1 Solve for x : $3x + 7 = 22$

Show your work:

Answer: _____

2 Solve for y : $2(y - 4) = 10$

Show your work:

Answer: _____

3 Solve for x: $5x - 3 = 2x + 12$

Show your work:

Answer:

- 4 A rectangle has a perimeter of 36 cm. If the length is 3 times the width, find the dimensions.

Show your work:

Answer: _____

- 5 Solve for x: $(x + 5)/3 = 7$

Show your work:

Answer: _____

6

Which value of x makes the equation true? $4(x - 2) + 6 = 3x + 5$

Show your work:

☐ A $x = 3$

☐ B $x = 5$

☐ C $x = 7$

☐ D $x = 9$

7 Solve for n: $-2(n + 3) = 4n - 18$

Show your work:

Answer: _____

8 The sum of three consecutive integers is 51. What are the integers?

Show your work:

Answer: _____

9

Solve for x: $0.5x + 1.5 = 4$

Show your work:

Answer:

1. 5

2. 9

3. 5

4. Width: 4.5 cm, Length: 13.5 cm

5. 16

6. C. $x = 7$

7. 2

8. 16, 17, 18

9. 5