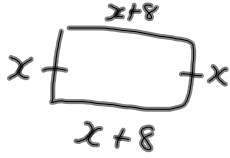


The length of a rectangle is 8 cm more than its width, w .
 The perimeter of the rectangle is 68 cm.
 What are the dimensions of the rectangle?



$$x + x + x + 8 + x + 8 = 68$$

$$4x + 16 = 68$$

Apr 14-12:12 PM

Solving Equations - Chapter Review

$$3 + p = 8$$

$$m - 9 = -13$$

$$4x = 40$$

$$\frac{x}{5} = 2$$

Apr 12-7:45 PM

Two - Step Equations

$$3p - 2 = -29$$

$$\frac{r}{10} + 4 = 5$$

Apr 12-7:45 PM

MULTI STEP EQUATIONS

$$6a + 5a = -11$$

Group like terms together (add or subtract)

Divide each side of the equation by the number of the variable

$$6r - 1 + 6r = 11$$

Apr 12-7:45 PM

$$7x + 6 = 2x - 34$$

$$7x - 4 = -3x + 6$$

Apr 12-7:45 PM

$$3(x + 2) = -18$$

Expand the bracket

Group like terms together (add or subtract)

Isolate the term containing the variables (add or subtract)

Divide or Multiply each side of the equation by the number of the variable

$$4(x-3) = 2(x+2)$$

Apr 12-7:45 PM

$$\frac{1}{5}(c + 8) = 10 \quad \frac{2a - 1}{3} = -6$$

The perimeter of an isosceles triangle is 21 cm. The length of each equal side is triple the length of the base. Find the side lengths of the triangle.

Apr 12-7:58 PM

Apr 12-7:45 PM

Bell charges a fixed monthly charge of \$ 45 for a cell phone plus an additional \$0.15 per minute of use.
 A) Write an equation to represent this relationship.
 B) Determine how many minute of use you could have for a total monthly cost \$ 90 ?
 C) What would your bill monthly cost if you used 450 minutes?

Together, Blackie and Jessie have a mass of 72 kg. Blackie's mass is 4 kg less than Jessie's mass. What is each dog's mass?

Apr 12-8:07 PM

Apr 12-8:00 PM

Chantal works at a music store. She earns \$8 per hour plus \$0.05 for each CD she sells. Tonight she is working a 5-h shift. How many CDs must Chantal sell to earn \$42?

Pizza Plus charges \$ 8.25 for a basic pizza and an additional \$1.25 for each topping added.
 A) Write an equation to represent the total cost of the pizza?
 B) Use the equation to determine the total cost of a pizza with 5 toppings.

$$A) \text{ Cost} = 1.25T + 8.25$$

$$B) \begin{aligned} C &= 1.25(5) + 8.25 \\ C &= 6.25 + 8.25 \\ C &= 14.50 \end{aligned}$$

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Apr 12-8:07 PM

Textbook Review

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*** Test Monday**

Apr 12-8:03 PM

$$6) \quad 0.03x + 0.1(200 - x) = 0.05(200)$$

$$0.03x + 20^{20} - 0.1x = 10^{20}$$

$$0.03x - 0.1x = -10$$

$$\frac{2x}{2} = \frac{6}{2} \quad \frac{-0.07x}{-0.07} = \frac{-10}{-0.07}$$

$$x = 3$$

Apr 13-2:21 PM

$$\frac{a}{5} + 6 = 10$$

$$\frac{a}{5} + \cancel{6} - \cancel{6} = 10 - 6$$

$$\cancel{5} \times \frac{1a}{\cancel{5}} = 4 \times 5$$

$$1a = 20$$

Apr 13-2:24 PM

$$3c) \quad \frac{-y}{4} - 6 = 2$$

$$\frac{-y}{4} - 6 + 6 = 2 + 6$$

$$\cancel{4} \times \frac{-y}{\cancel{4}} = 8 \times 4$$

$$\frac{-y}{-1} = \frac{8 \times 4}{-1} \rightarrow y = -32$$

Apr 13-2:39 PM

$$\textcircled{2} \quad \cancel{2} \times \frac{x+2}{\cancel{2}} = 2 \times 3$$

$$x+2 = 6$$

Apr 14-2:09 PM

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

$$\cancel{4} \times \frac{2(x-2)}{\cancel{4}} = 3 \times 4$$

$$2(x-2) = 12$$

$$2x - 4 = 12$$

Apr 14-2:41 PM

$$\cancel{6} \times W + 4 = 18$$
$$\frac{W+4}{6} = 3 \times 6$$

Apr 14-2:45 PM

Review-Handout

2a) 19	3a) 5	4a) 3	LÓPEZ
b) 7	b) 12	b) 7	♡
c) 4	c) -1	c) 14	
d) 6	d) 20	d) 10	
		e) $-\frac{17}{14}$	
		f) 0	

★ ♡ Becca
Joyce
is amazing

Apr 14-2:51 PM