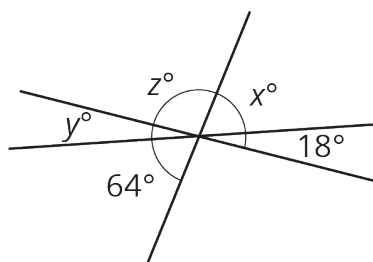


## Unit 7 Lesson 6 Cumulative Practice Problems

1. A rectangle has side lengths of 6 units and 3 units. Could you make a quadrilateral that is not identical using the same four side lengths? If so, describe it.
2. Come up with an example of three side lengths that can not possibly make a triangle, and explain how you know.

3. Find  $x$ ,  $y$ , and  $z$ .



(From Unit 7, Lesson 3.)

4. How many right angles need to be put together to make:
  - a. 360 degrees?
  - b. 180 degrees?
  - c. 270 degrees?
  - d. A straight angle?

(From Unit 7, Lesson 1.)

5. Solve each equation.

$$\frac{1}{7}(x + \frac{3}{4}) = \frac{1}{8}$$

$$\frac{9}{2} = \frac{3}{4}(z + \frac{2}{3})$$

$$1.5 = 0.6(w + 0.4)$$

$$0.08(7.97 + v) = 0.832$$

(From Unit 6, Lesson 8.)

6. a. You can buy 4 bottles of water from a vending machine for \$7. At this rate, how many bottles of water can you buy for \$28? If you get stuck, consider creating a table.
- b. It costs \$20 to buy 5 sandwiches from a vending machine. At this rate, what is the cost for 8 sandwiches? If you get stuck, consider creating a table.

(From Unit 4, Lesson 3.)