

Name:

Period:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Lesson 13-4 Classwork

Calculators OK

Question 01

You are making a triangle. Your first two side lengths are 5 units and 9 units long. Could your final side length be 4 units long?

- a) Yes
- b) No

Question 02

You are making a triangle. Your first two side lengths are 5 units and 9 units long. Could your final side length be 14 units long?

- a) Yes
- b) No

Question 03

You are making a triangle. Your first two side lengths are 5 units and 9 units long. Could your final side length be 10 units long?

- a) Yes
- b) No

Question 04

You are making a triangle. Your first two side lengths are 5 units and 9 units long. Could your final side length be 5 units long?

- a) Yes
- b) No

Question 05

You are making a triangle. Your first two side lengths are 2 units and 2 units long. Could your final side length be 2 units long?

- a) Yes
- b) No

Question 06

You are making a triangle. Your first two side lengths are 7 units and 7 units long. Could your final side length be 1 units long?

- a) Yes
- b) No

Question 07

You are making a triangle. Your first two side lengths are 10 units and 10 units long. Select **all** true statements below.

- a) The triangle could be scalene.
- b) The triangle could be isosceles or equilateral.
- c) At least two angles of the triangle must be the same.
- d) The final length could be 10.5 units long.
- e) The final length could be 0.5 units long.

Question 08

You are making a triangle. Your first two side lengths are 5 units and 7 units long. Select **all** true statements below.

- a) The triangle could be scalene or isosceles.
- b) The triangle could be equilateral.
- c) At least two angles of the triangle must be the same.
- d) The final length could be 12.5 units long.
- e) The final length could be 2.5 units long.

Question 09

You are making a triangle. Select **all** true statements below.

- a) You can choose 2 same side lengths and still be able to make an isosceles triangle.
- b) You can choose 2 same side lengths and still be able to make an equilateral triangle.
- c) You can choose 2 same side lengths and still be able to make a scalene triangle.

Question 10

You are making a triangle. Select **all** true statements below.

- a) You can choose 2 same side lengths and still be able to make an acute triangle.
- b) You can choose 2 same side lengths and still be able to make an obtuse triangle.
- c) You can choose 2 same side lengths and still be able to make a right triangle.