

Congruent and Similar Figures

1. Which pair contains congruent figures?

a.



b.



c.



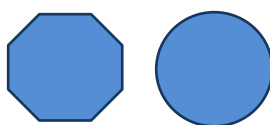
Solution:

2. Which pair contains similar figures?

a.



b.



Solution:

3. True or False?

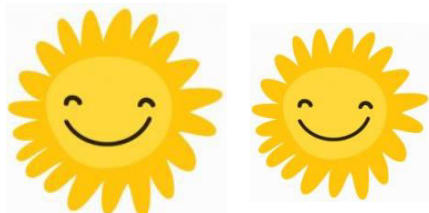
- All similar figures are congruent to each other.
- All congruent figures are similar to each other.
- If a figure "x" is congruent to figure "y", then "y" is similar to figure "x".

4. Draw figures congruent to each of the following.

- A circle of radius 1 cm.
- A square of side length 2 cm.
- A regular hexagon of side length 1 cm.

Figures:

5. Classify each of the following pair of figures as congruent or similar.



Solution:



Solution:

6. A square of side length 3 cm can only be congruent to a square of side length ____ cm.

Congruent and Similar Figures

Answer Key

1. Which pair contains congruent figures?

a.



b.



c.



Solution:

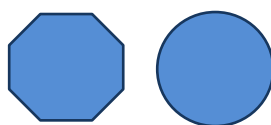
b

2. Which pair contains similar figures?

a.



b.



Solution:

a

3. True or False?

- a. All similar figures are congruent to each other.
- b. All congruent figures are similar to each other.
- c. If a figure "x" is congruent to figure "y", then "y" is similar to figure "x".

False

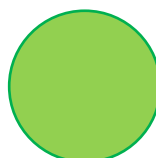
True

True

4. Draw figures congruent to each of the following.

- a. A circle of radius 1 cm.
- b. A square of side length 2 cm.
- c. A regular hexagon of side length 1 cm.

a.



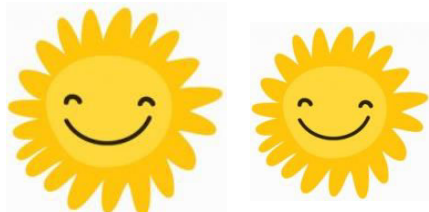
b.



c.



5. Classify each of the following pair of figures as congruent or similar.



Similar



Congruent

6. A square of side length 3 cm can only be congruent to a square of side length 3 cm.