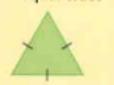


2D Geometry

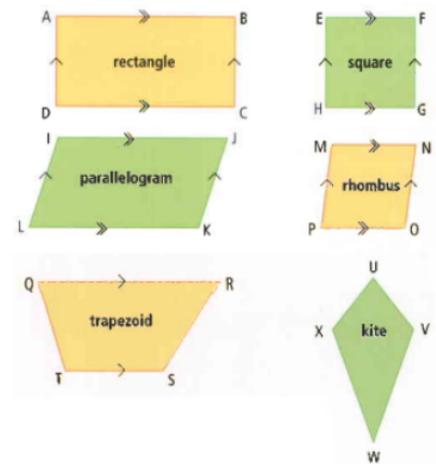
<p>1. equilateral triangle</p> <ul style="list-style-type: none"> • three equal sides 	<p>isosceles triangle</p> <ul style="list-style-type: none"> • two equal sides 	<p>scalene triangle</p> <ul style="list-style-type: none"> • no equal sides 
<p>acute triangle</p> <ul style="list-style-type: none"> • three acute angles 	<p>right triangle</p> <ul style="list-style-type: none"> • one right angle 	<p>obtuse triangle</p> <ul style="list-style-type: none"> • one obtuse angle 

Triangles can be classified by their side lengths and size of angles.

- True
- False

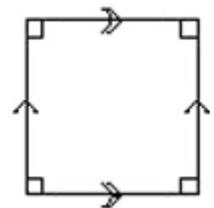
2. Quadrilaterals are classified only according to the properties of their sides.

- True
- False



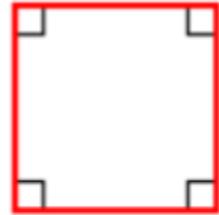
3. The following quadrilateral can be classified as a parallelogram.

- True
- False



4. Two squares that have the same perimeter must be congruent.

- T True
- F False



square

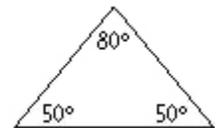
All sides equal
All angles 90°

5. All squares are similar to each other.

- T True
- F False

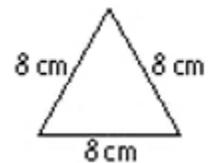
6. Classify the following triangle by its side lengths.

- A acute triangle
- B right triangle
- C obtuse triangle
- D isosceles



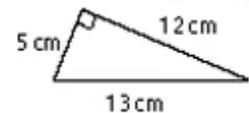
7. Classify the following triangle by the measurement of the sides.

- A equilateral
- B isosceles
- C scalene
- D acute



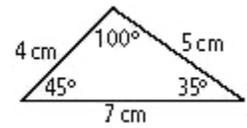
8. Classify the following triangle in two ways.

- A right, scalene triangle
- B right, isosceles triangle
- C acute, isosceles triangle
- D obtuse, scalene triangle



9. Classify the following triangle in two ways.

- (A) acute, scalene triangle
- (B) obtuse, scalene triangle
- (C) right, isosceles triangle
- (D) acute, isosceles triangle



10. Which of the following figures is NOT a quadrilateral?

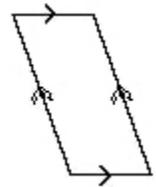
- (A) square
- (B) rectangle
- (C) trapezoid
- (D) pentagon

11. I have four equal sides but no right angles. What quadrilateral am I?

- (A) rhombus
- (B) square
- (C) kite
- (D) rectangle

12. Classify the following quadrilateral.

- (A) rhombus
- (B) kite
- (C) parallelogram
- (D) trapezoid



13. I have no equal sides and have one pair of opposite sides that are parallel. What type of quadrilateral am I?

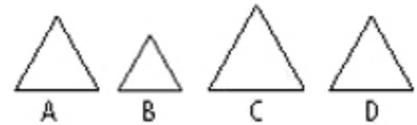
- (A) parallelogram
- (B) rhombus
- (C) trapezoid
- (D) kite

14. I have two pairs of opposite sides that are parallel. I have no right angles. All of my sides are equal length. What type of quadrilateral am I?

- (A) kite
- (B) rhombus
- (C) parallelogram
- (D) square

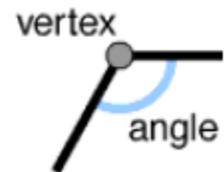
15. Which of the following shapes are congruent?

- (A) A and B
- (B) C and D
- (C) B and C
- (D) A and D



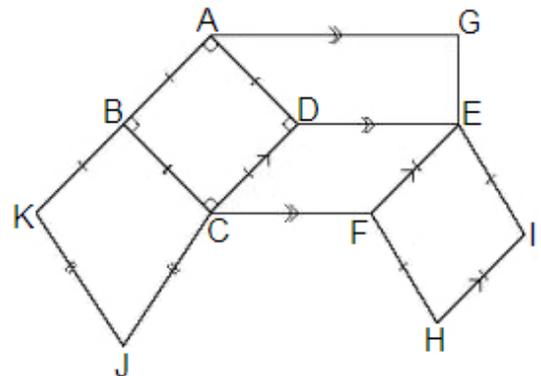
16. A point where two sides of a figure meet is called a

- (A) ray
- (B) radius
- (C) perpendicular
- (D) vertex



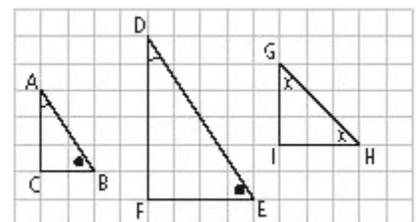
17. Figure FEIH is what type of two dimensional shape?

- (A) square
- (B) kite
- (C) rhombus
- (D) trapezoid



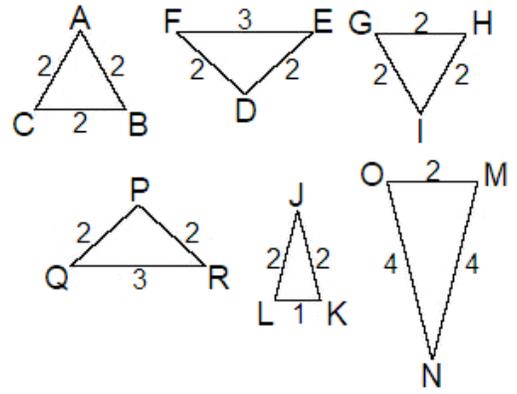
18. Figure ABC and Figure DEF are

- (A) congruent
- (B) similar
- (C) dissimilar
- (D) the plans for Farmer Brown's next tattoo



19. How many pairs of triangles are congruent in the image below?

- (A) 1
- (B) 2
- (C) 3
- (D) none



20. These triangles are

- (A) not similar
- (B) congruent
- (C) obtuse
- (D) similar

