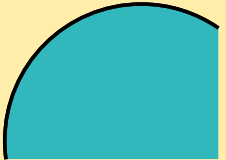


09.06.21

L.C Can you identify properties of shapes?

Properties of 2D Shapes

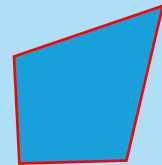
Take a look at some of the language used to describe the properties of 2-dimensional (2D) shapes below:



curved



longer



sides



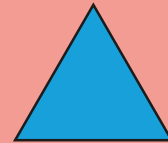
straight



shorter



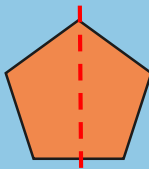
2-dimensional



equal



vertex/vertices



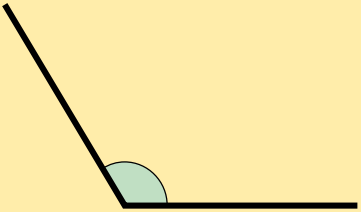
symmetry



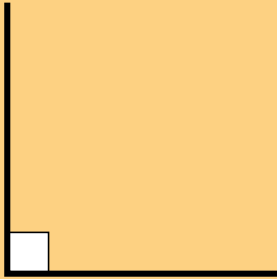
length

Properties of 2D Shapes

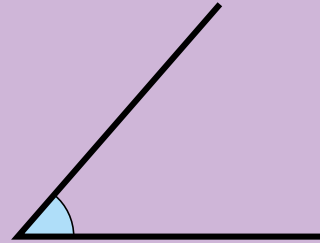
Take a look at some of the language used to describe the properties of 2-dimensional (2D) shapes below:



obtuse angle



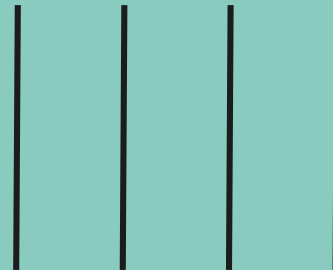
right angle



acute angle



perpendicular lines



parallel lines

circle

How many curved sides?

1 curved side

How many vertices?

0 vertices

How many lines of symmetry?

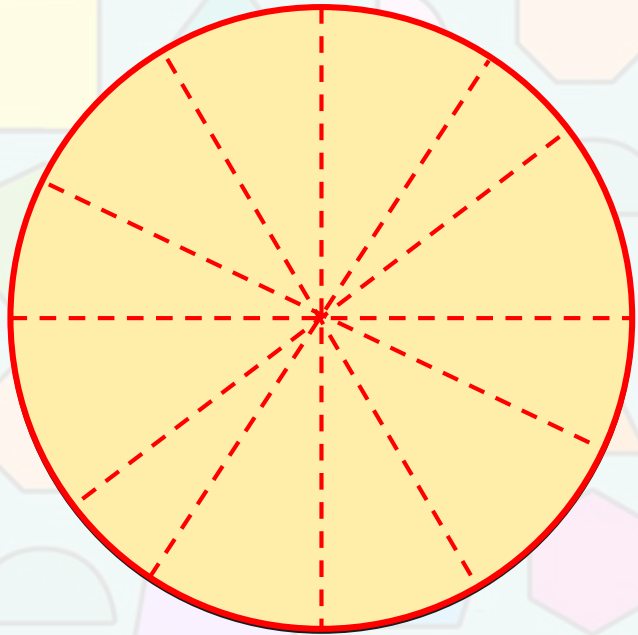
infinite lines of symmetry

What do all the interior angles measure?

Sum of interior angle is 360°

How many pairs of parallel lines?

no pairs of parallel lines



triangle

How many straight sides?

3 straight sides

How many vertices?

3 vertices

How many lines of symmetry?

up to 3 lines of symmetry

How many interior angles?

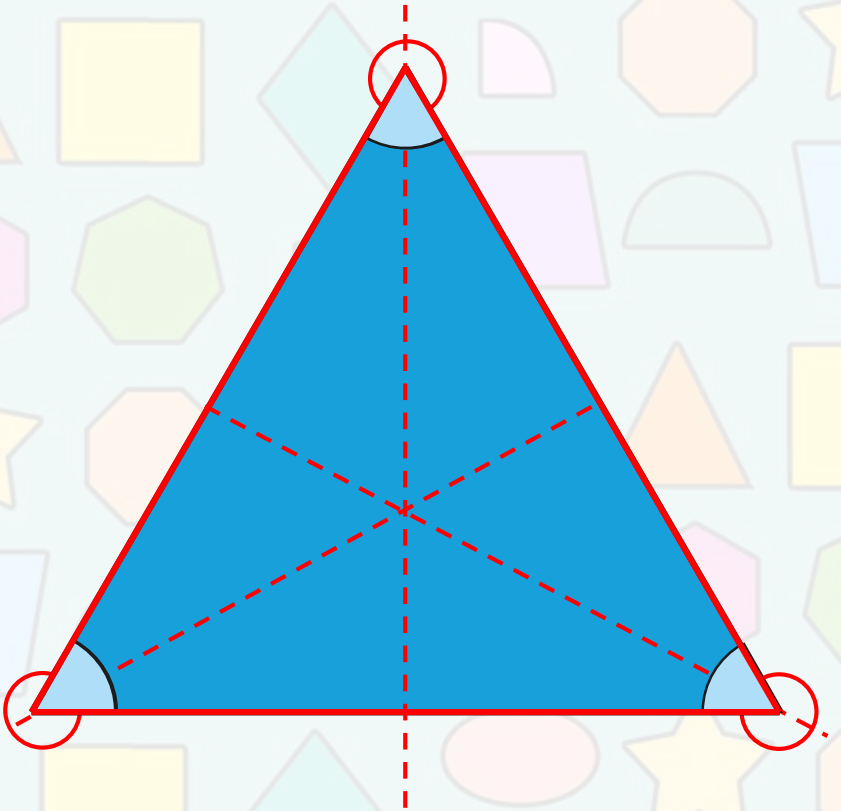
3 interior angles

What type of angles can you see in this shape?

3 acute angles

How many pairs of parallel lines?

no pairs of parallel lines



square

How many straight sides?

4 straight sides
4 equal length sides

How many vertices?

4 vertices

How many lines of symmetry?

4 lines of symmetry

How many interior angles?

4 interior angles

What does each interior angle measure?

each interior angle is 90°

What type of angles can you see in this shape?

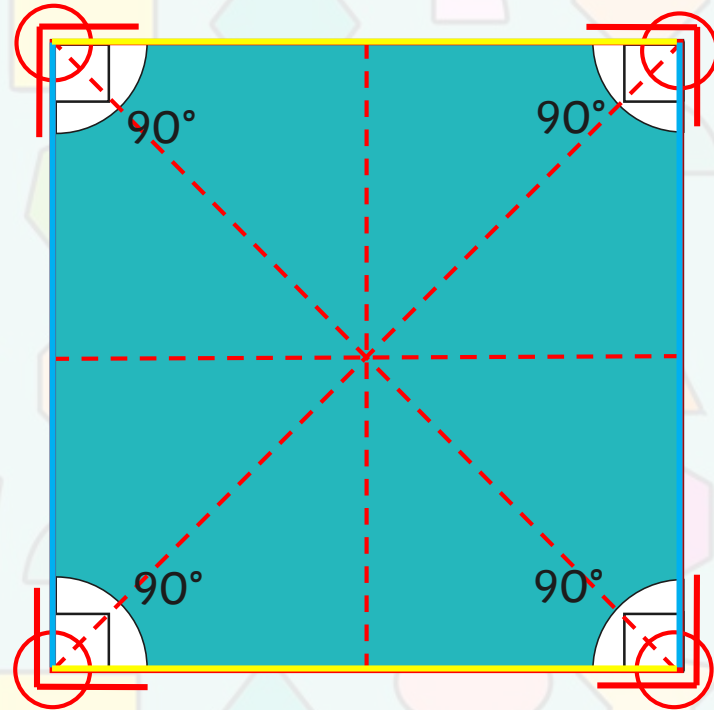
4 right angles

How many pairs of parallel lines?

2 pairs of parallel lines

How many pairs of perpendicular lines?

4 pairs of perpendicular lines



trapezium

How many straight sides?

4 straight sides
2 equal length sides

How many vertices?

4 vertices

How many lines of symmetry?

1 line of symmetry

How many interior angles?

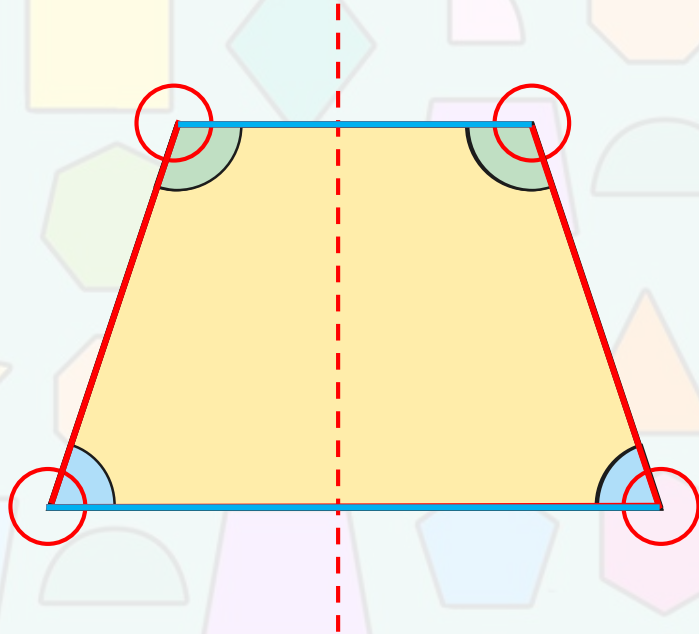
4 interior angles

What type of angles can you see in this shape?

2 acute angles
2 obtuse angles

How many pairs of parallel lines?

1 pair of parallel lines



rectangle

How many straight sides?

4 straight sides
2 long sides
2 short sides

How many vertices?

4 vertices

How many lines of symmetry?

2 lines of symmetry

How many interior angles?

4 interior angles

What does each interior angle measure?

each interior angle is 90°

What type of angles can you see in this shape?

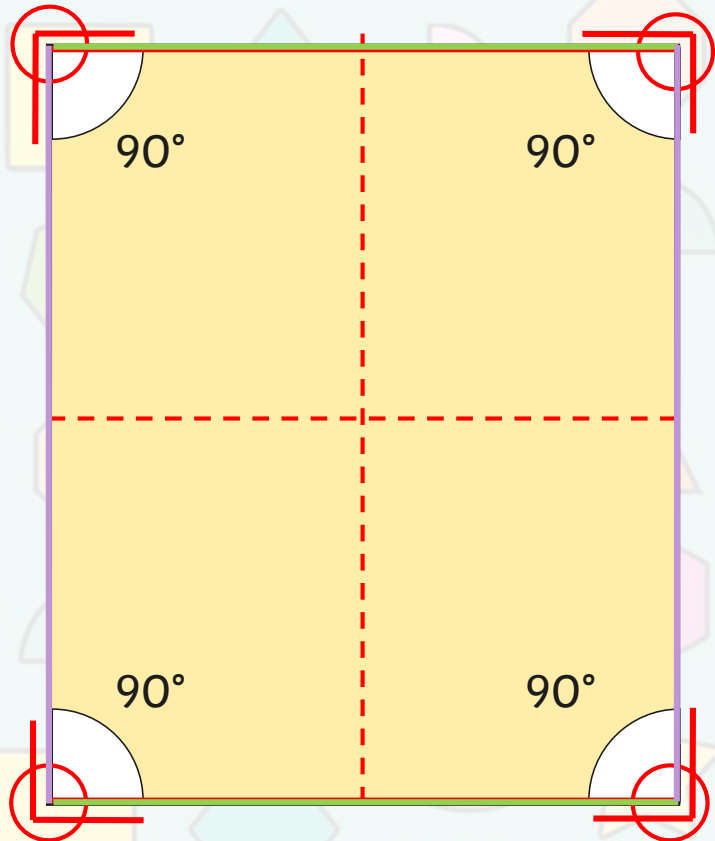
4 right angles

How many pairs of parallel lines?

2 pairs of parallel lines

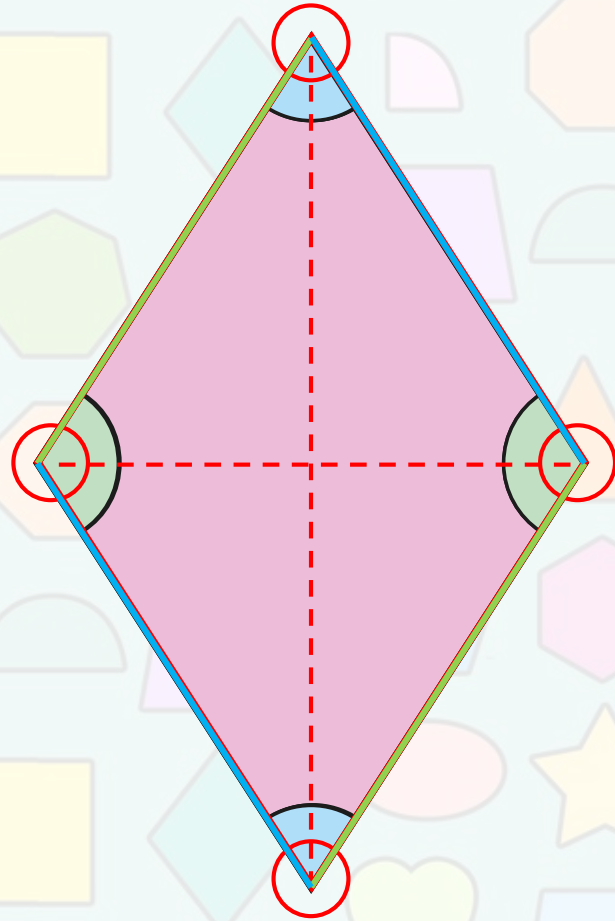
How many pairs of perpendicular lines?

4 pairs of perpendicular lines



rhombus

How many straight sides?	4 straight sides 4 equal length sides
How many vertices?	4 vertices
How many lines of symmetry?	2 lines of symmetry
How many interior angles?	4 interior angles
How many pairs of interior angles?	2 pairs of interior angles
What type of angles can you see in this shape?	2 acute angles 2 obtuse angles
How many pairs of parallel lines?	2 pairs of parallel lines



regular pentagon

How many straight sides?

5 straight sides

How many vertices?

5 vertices

How many lines of symmetry?

5 lines of symmetry

How many interior angles?

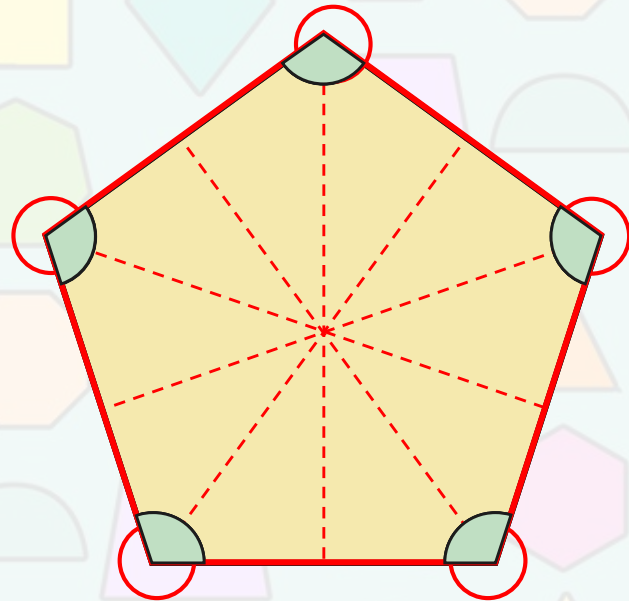
5 interior angles

What type of angles can you see in this shape?

5 obtuse angles

How many pairs of parallel lines?

0 pairs of parallel lines



regular hexagon

How many straight sides?

6 straight sides

How many vertices?

6 vertices

How many lines of symmetry?

6 lines of symmetry

How many interior angles?

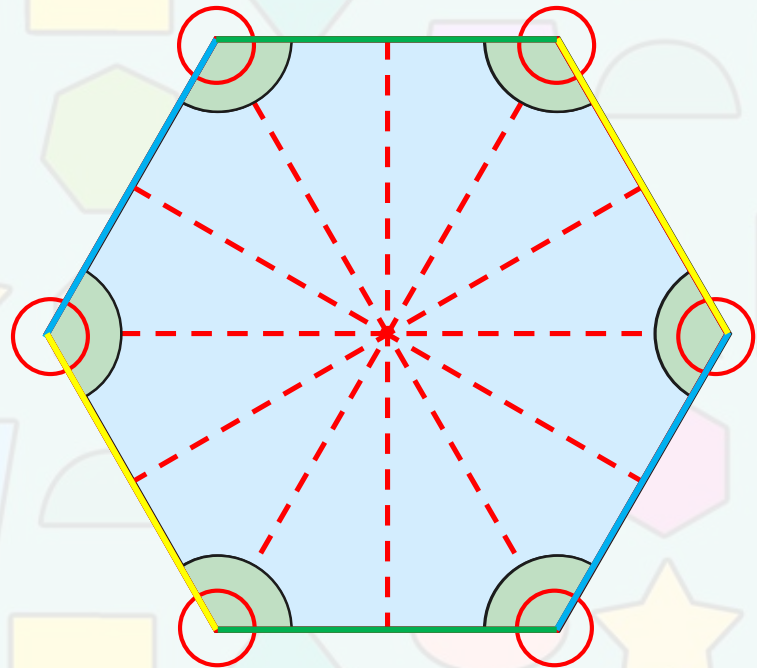
6 interior angles

What type of angles can you see in this shape?

6 obtuse angles

How many pairs of parallel lines?

3 pairs of parallel lines



regular heptagon

How many straight sides?

7 straight sides

How many vertices?

7 vertices

How many lines of symmetry?

7 lines of symmetry

How many interior angles?

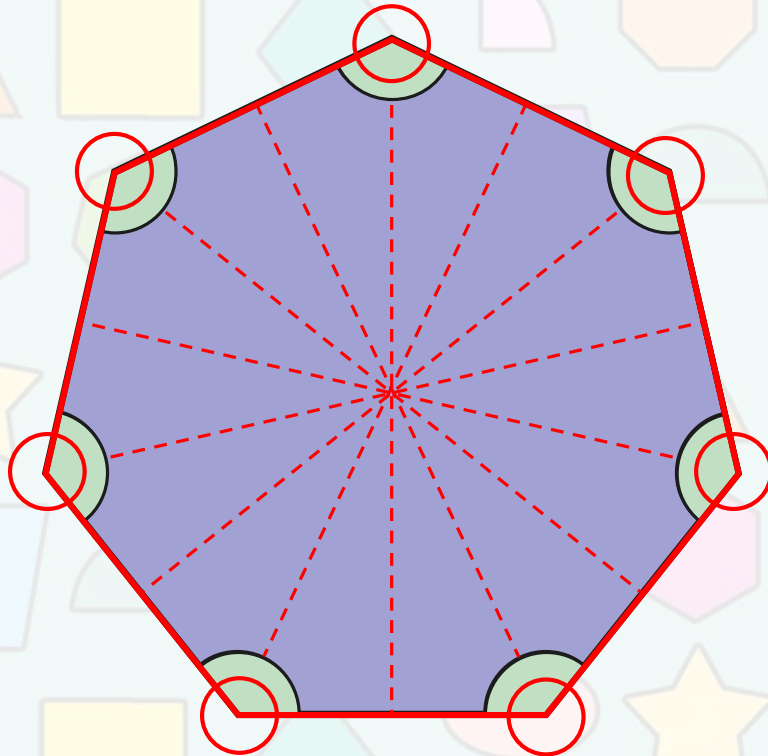
7 interior angles

What type of angles can you see in this shape?

7 obtuse angles

How many pairs of parallel lines?

0 pairs of parallel lines



regular octagon

How many straight sides?

8 straight sides

How many vertices?

8 vertices

How many lines of symmetry?

8 lines of symmetry

How many interior angles?

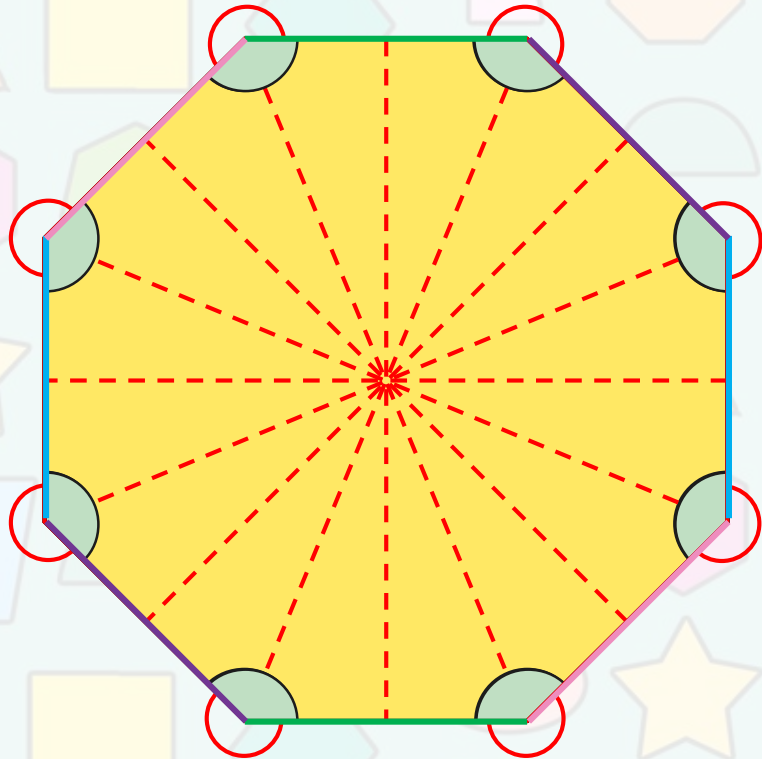
8 interior angles

What type of angles can you see in this shape?

8 obtuse angles

How many pairs of parallel lines?

4 pairs of parallel lines



regular nonagon

How many straight sides?

9 straight sides

How many vertices?

9 vertices

How many lines of symmetry?

9 lines of symmetry

How many interior angles?

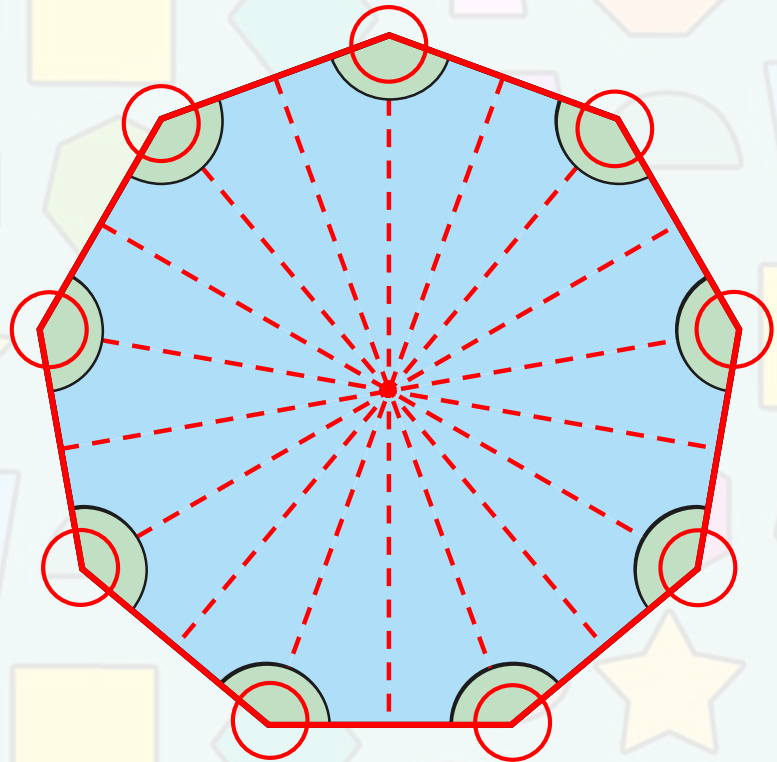
9 interior angles

What type of angles can you see in this shape?

9 obtuse angles

How many pairs of parallel lines?

0 pairs of parallel lines



regular decagon

How many straight sides?

10 straight sides

How many vertices?

10 vertices

How many lines of symmetry?

10 lines of symmetry

How many interior angles?

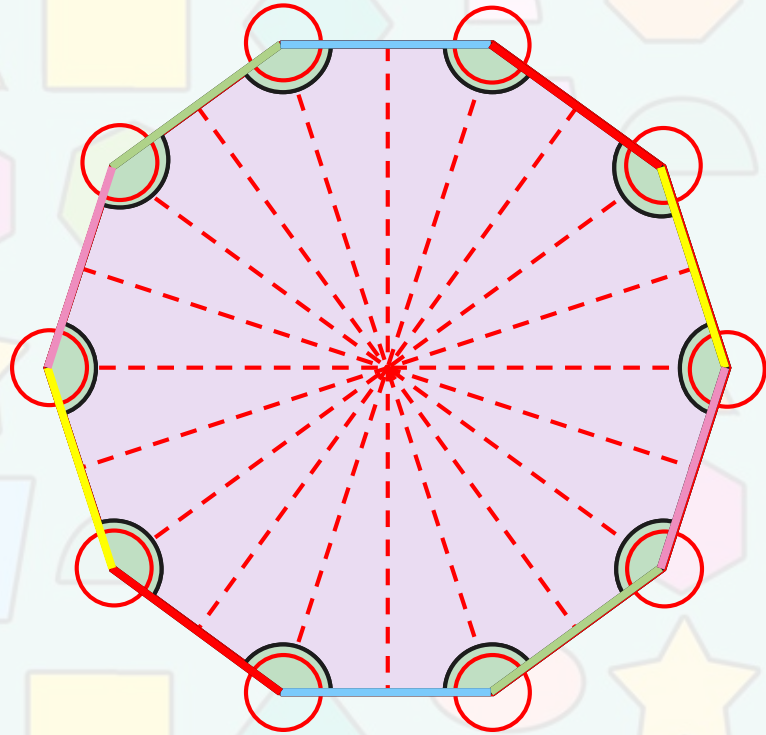
10 interior angles

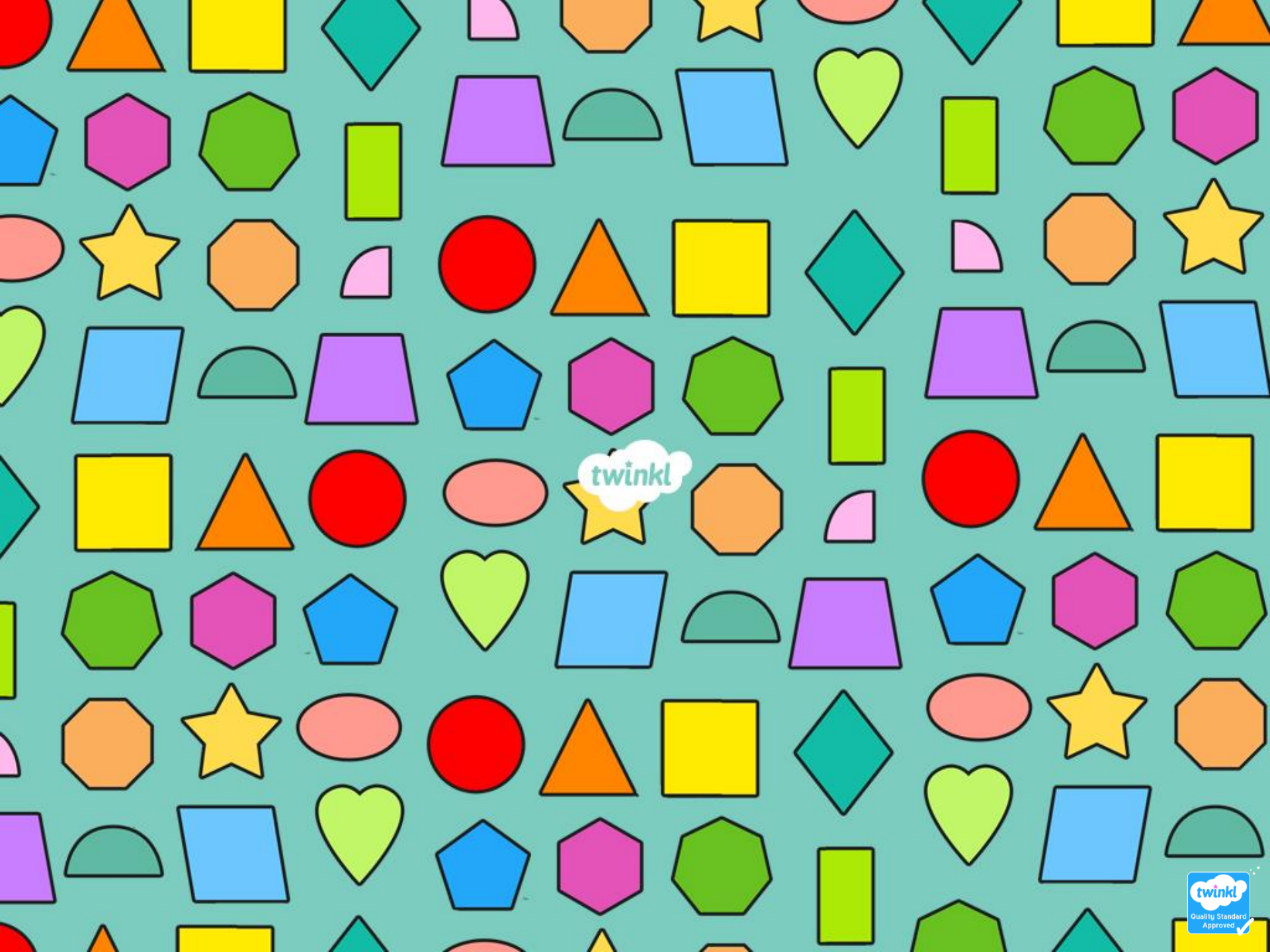
What type of angles can you see in this shape?

10 obtuse angles

How many pairs of parallel lines?

5 pairs of parallel lines





twinkl