Name & Surname: _____

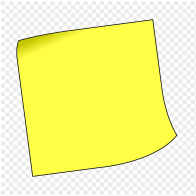
Shape Detectives

Count sides and find mirror lines.

About 30 minutes Level ★★★☆☆

For the grown-up

Flat **shapes** can be described by their **sides** and **corners**. A triangle has 3 sides and 3 corners. A circle is round with no corners.



Say each shape name and count its sides and corners.

1



Name _____
Sides _____
Corners _____

2



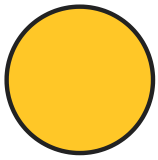
Name _____
Sides _____
Corners _____

3



Name _____
Sides _____
Corners _____

4



Name _____
Sides _____
Corners _____

5



Name _____
Sides _____
Corners _____

6



Name _____
Sides _____
Corners _____

Grown-up tip
Trace each edge with a finger while you count.

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Finish the Pattern!

Key words

side: straight edge round a shape

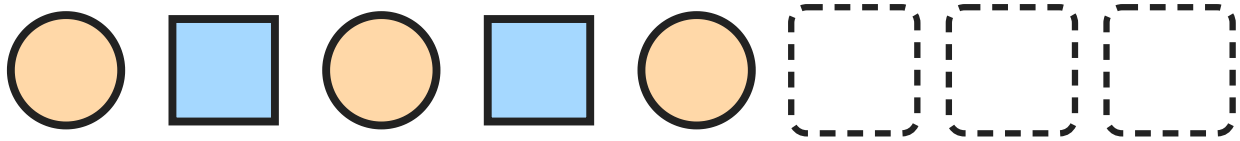
corner: pointy place where edges meet

vertex: posh word for corner

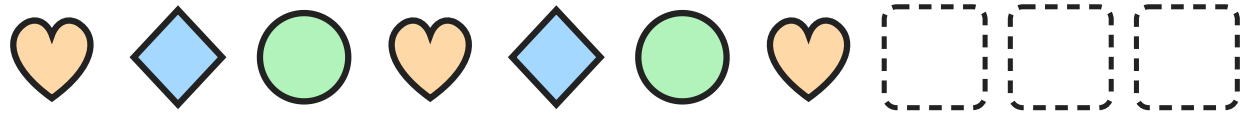
vertical: straight up and down

mirror line: fold where both halves match

Look at the pattern and draw the next three shapes.

1 

2 

3 

Grown-up tip

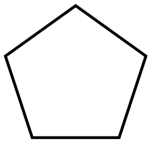
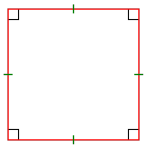
Clap the pattern together before drawing.

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Match the Pairs!

Cut out the cards and match each shape to its sides and corners.

Cut out the cards.

5 sides	 **circle**	 **pentagon**	no corners
4 sides	3 sides	 **triangle**	 **square**

Grown-up tip

Turn the cards over and say each shape name aloud.

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Fold in Order!

Put the folding steps in order from first to last.

Example done for you

Fold straight down the **middle**

Count its **sides** and **corners**

Check both **halves** match

1 Pick up one **shape**

Grown-up tip
Fold a real paper square together step by step.

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Find the Odd!

Circle the odd shape out and say why.

1. square | rectangle | triangle | circle

Why?

2. square | heart | rectangle | wonky triangle

Why?

3. pentagon | square | triangle | hexagon

Why?

How did I do?

Circle a face for each line.

I can count sides and corners to name shapes.	☹	😐	☺
I can say why a circle is different.	☹	😐	☺
I can fold to find a vertical mirror line.	☹	😐	☺

Grown-up tip

Colour the shapes where both halves match when folded.

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Answer sheet: Shape Detectives

Task A

1. triangle: 3 sides, 3 corners
2. square: 4 sides, 4 corners
3. rectangle: 4 sides, 4 corners
4. circle: 0 straight sides (1 curved side), 0 corners
5. pentagon: 5 sides, 5 corners
6. hexagon: 6 sides, 6 corners

Task B

1. square, circle, square
2. triangle, star, triangle
3. diamond, circle, heart

Task C

triangle = 3 sides
square = 4 sides
pentagon = 5 sides
circle = no corners

Task D

1. Pick up one shape 2. Count its sides and corners 3. Fold straight down the middle 4. Check both halves match

Task E

1. circle (It has no corners)
2. wonky triangle (Its halves do not match when folded straight down the middle.)
3. triangle (It is the only one with 3 sides.)

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