Homework/Extension
Step 2: Right Angles in Shapes

National Curriculum Objectives:

Mathematics Year 3: (3G4a) Recognise angles as a property of shape or a description of a turn

Mathematics Year 3: (3G4b) Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Identify whether a statement is true or false. Using shapes that have turned through one right angle clockwise; using circles, triangles and regular quadrilaterals.
Expected Identify whether a statement is true or false. Using shapes that have turned through one right angle anti-clockwise; using circles, regular polygons and irregular quadrilaterals, with some shapes orientated diagonally.
Greater Depth Identify whether a statement is true or false. Using shapes that have turned through three right angles anti-clockwise; using circles, irregular polygons and irregular quadrilaterals, with most shapes orientated diagonally.

Questions 2, 5 and 8 (Varied Fluency)
Developing Sort shapes according to number of right angles. Using circles, triangles and regular quadrilaterals.
Expected Sort shapes according to number of right angles. Using circles, regular polygons and irregular quadrilaterals, with some shapes orientated diagonally.
Greater Depth Sort shapes according to number of right angles. Using circles, irregular polygons and irregular quadrilaterals, with most shapes orientated diagonally.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Explain whether a statement is correct. Using circles, triangles and regular quadrilaterals.
Expected Explain whether a statement is correct. Using circles, regular polygons and irregular quadrilaterals, with some shapes orientated diagonally.
**Greater Depth** Explain whether a statement is correct. Using circles, irregular polygons and irregular quadrilaterals, with most shapes orientated diagonally.

More Year 3 Properties of Shape resources.

Did you like this resource? Don't forget to review it on our website.

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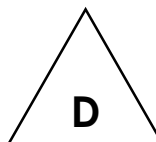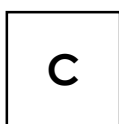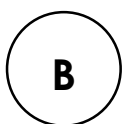
Right Angles in Shapes

1. True or false? These shapes have been turned one right angle clockwise.

A A

B B
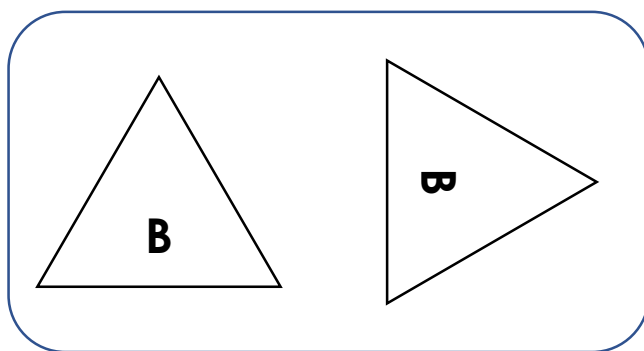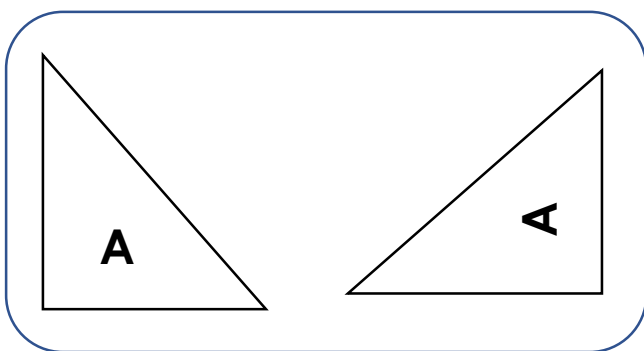
VF
HW/Ext

2. Sort the shapes into the correct place in the table.

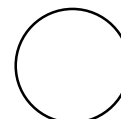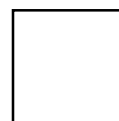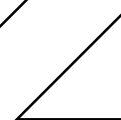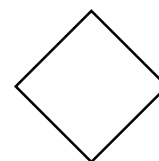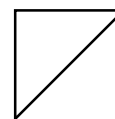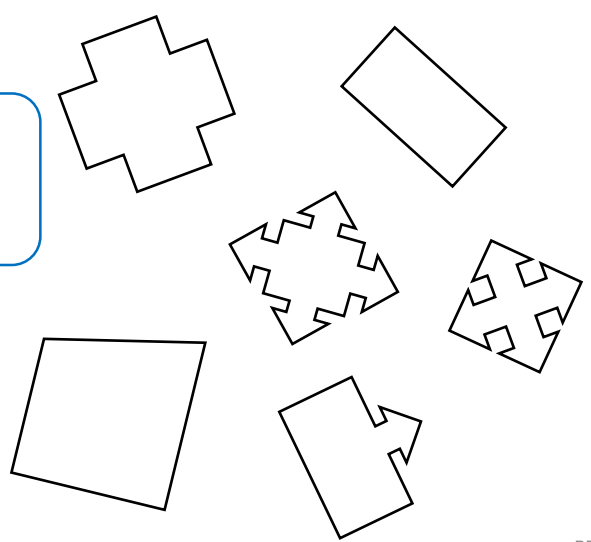| Has no right angles	Has one right angle	Has more than one right angle

A   B   C   D   E

VF
HW/Ext

3. Fred has chosen some shapes.

All of my shapes have at least one right angle.

Is Fred correct?
Explain how you know.

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Homework/Extension – Right Angles in Shapes – Year 3 Developing

Right Angles in Shapes

4. True or false? These shapes have been turned one right angle anti-clockwise.

A ∀

B ꓭ

E

VF
HW/Ext

5. Sort the shapes into the correct place in the table.

A

Has no right angles	Has one right angle	Has more than one right angle

G

B

C

D

E

F

E

VF
HW/Ext

6. Lisa has chosen some shapes.

All of my shapes have at least two right angles.

Is Lisa correct?
Explain how you know.

E

RPS
HW/Ext

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Homework/Extension – Right Angles in Shapes – Year 3 Expected

Right Angles in Shapes

7. True or false? These shapes have been turned three right angles anti-clockwise.

A   A

B   B
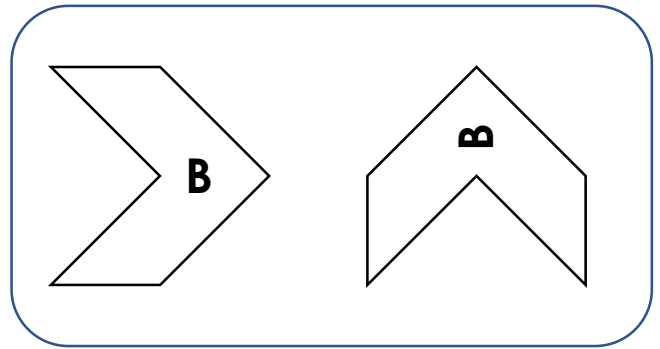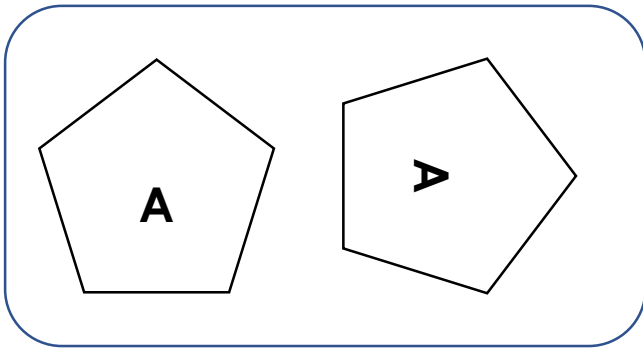
8. Sort the shapes into the correct place in the table.

A

Has no right angles	Has at least one right angle with other sized angles	All angles are right angles

H

B

C   D   E   F

G

9. Joe has chosen some shapes.

All of my shapes have at least four right angles.

Is Joe correct?
Explain how you know.

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Homework/Extension – Right Angles in Shapes – Year 3 Greater Depth

Developing

1. A – false; B – True

2.
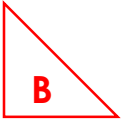
Has no right angles	Has one right angle	Has more than one right angle
B D	E	A C

3. Fred is not correct because the circle does not have a right angle.

Expected

4. A - False, B - True

5.

Has no right angles	Has one right angle	Has more than one right angle
E G A C	B	D F

6. Lisa is not correct because the octagon does not have any right angles.

Greater Depth

7. A - True, B - False

8.

Has no right angles	Has at least one right angle with other sized angles	All angles are right angles
B H D	A G	C F E

9. Joe is not correct because the trapezium only has 2 right angles.