

Homework/Extension

Step 4: Recognise a Quarter

National Curriculum Objectives:

Mathematics Year 2: (2F1a) [Recognise, find, name and write fractions \$\frac{1}{3}\$, \$\frac{1}{4}\$, \$\frac{2}{4}\$ and \$\frac{3}{4}\$ of a length, shape, set of objects or quantity](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Identify the shape that represents one quarter. Using circles and squares with two dividing lines.

Expected Identify the shape that represents one quarter. Using triangles and quadrilaterals.

Greater Depth Identify the shape that represents one quarter. Using circles, quadrilaterals and polygons.

Questions 2, 5 and 8 (Varied Fluency)

Developing Identify which shapes do/do not represent one quarter. Using circles and squares with two dividing lines.

Expected Identify which shapes do/do not represent one quarter. Using triangles and quadrilaterals.

Greater Depth Identify which shapes do/do not represent one quarter. Using quadrilaterals and polygons.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Explain if a given statement about representations of one quarter is correct or not. Using circles and two dividing lines.

Expected Explain if a given statement about representations of one quarter is correct or not. Using circles, triangles and quadrilaterals.

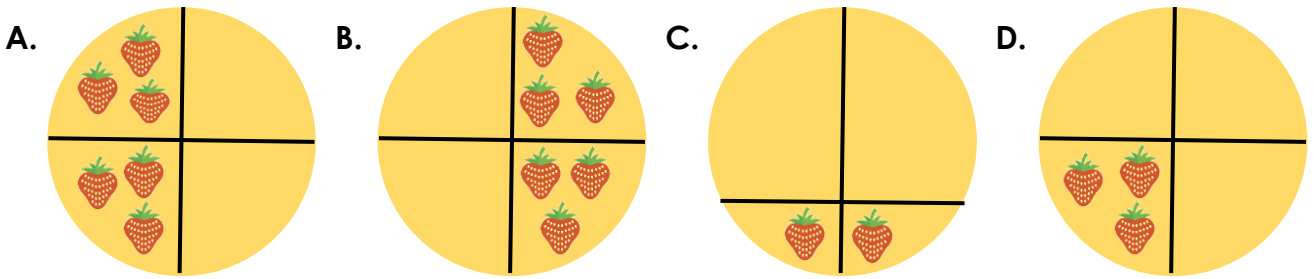
Greater Depth Explain if a given statement about representations of one quarter is correct or not. Using quadrilaterals and polygons.

More [Year 2 Fractions](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

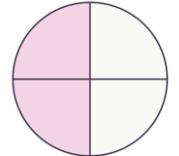
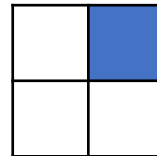
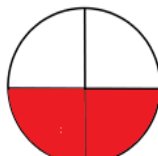
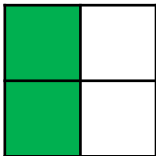
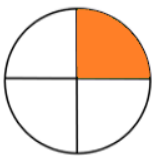
Recognise a Quarter

1. Simran puts fruit on one quarter of her cake. Circle the picture that shows this.



VF
HW/Ext

2. Tick (✓) or cross (x) the box for each shape to show if it has one quarter shaded or not.



A. ☐

B. ☐

C. ☐

D. ☐

E. ☐

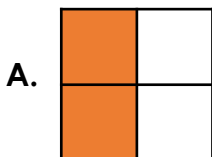


VF
HW/Ext

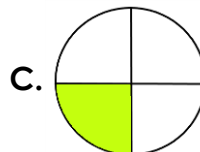
3. Ted says,



A and B show one quarter.



B. $\frac{1}{4}$



D. $\frac{1}{2}$

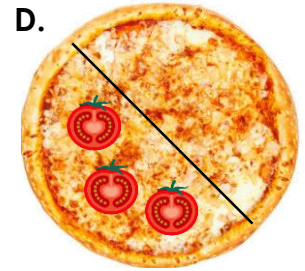
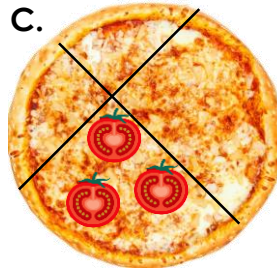
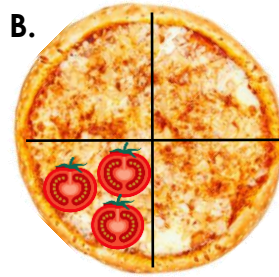
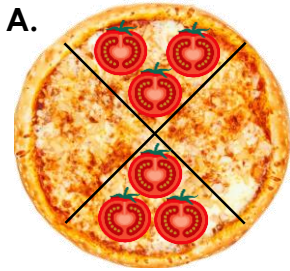
Do you agree? Explain your answer.



RPS
HW/Ext

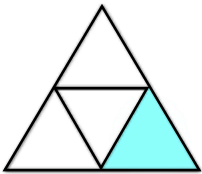
Recognise a Quarter

4. Jamila puts tomatoes on one quarter of her pizza. Circle the picture that shows this.

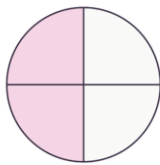


VF
HW/Ext

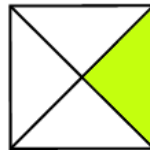
5. Tick (✓) or cross (x) the box for each shape to show if it has one quarter shaded or not.



A. ☐



B. ☐



C. ☐



D. ☐



E. ☐



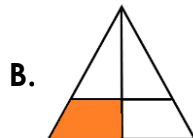
VF
HW/Ext

6. Sofia says,



None of these represent one quarter.

A. $\frac{1}{2}$



D. $\frac{1}{4}$

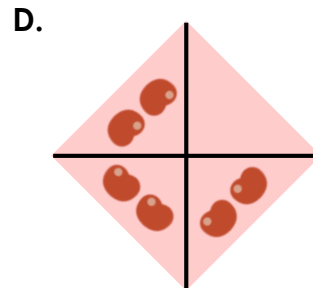
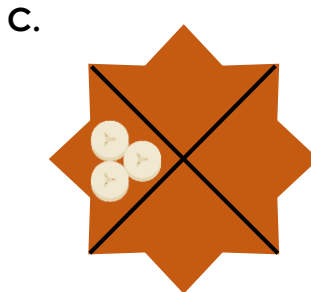
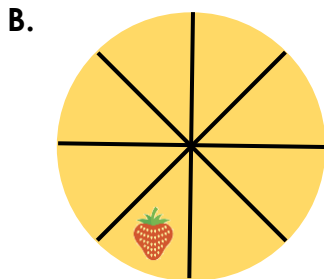
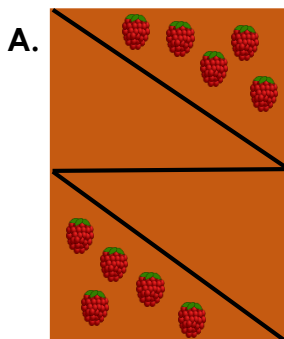
Do you agree? Explain your answer.



RPS
HW/Ext

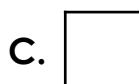
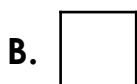
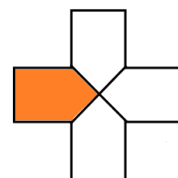
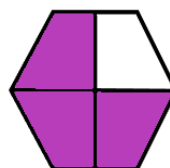
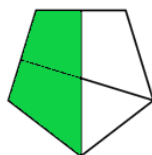
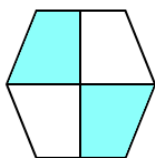
Recognise a Quarter

7. Harry puts fruit on one quarter of his cake. Circle the picture that shows this.



VF
HW/Ext

8. Tick (✓) the images that show one quarter.

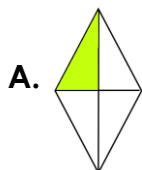


VF
HW/Ext

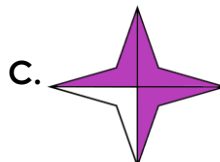
9. Kristian says,



All of these represent one quarter.



B. $\frac{1}{4}$



D. $\frac{3}{4}$

Do you agree? Explain your answer.



RPS
HW/Ext

Homework/Extension

Recognise a Quarter

Developing

1. **D**
2. **A = ✓, B = x. C = x, D = ✓, E = x**
3. **No, A and D show one half. B and C show one quarter.**

Expected

4. **B**
5. **A = ✓, B = x. C = ✓, D = x, E = x**
6. **No, A represents one half and B has four unequal parts. C represents one quarter because there are four equal parts and one is shaded and D is the fraction one quarter.**

Greater Depth

7. **C**
8. **Two possible answers: if using one quarter shaded = A = x, B = x. C = x, D = x, E = ✓; if using one quarter unshaded = A = ✓, B = x. C = x, D = ✓, E = x**
9. **No, D is the fraction for three quarters. If using one quarter shaded C also does not represent one quarter as it has three parts shaded. If using one quarter unshaded A also does not represent one quarter as it has three parts unshaded.**