

Varied Fluency

Step 10: Equivalence of Half and Two Quarters

National Curriculum Objectives:

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

Mathematics Year 2 : (2F2) [Recognise the equivalence of \$2/4\$ and \$1/2\$](#)

Differentiation:

Developing Questions to support finding equivalence of half and a quarter of objects and shapes including circles and squares, using vertical and horizontal lines and using only images.

Expected Questions to support finding equivalence of half and a quarter of lengths, groups of objects and shapes including circles, triangles and quadrilaterals, using vertical horizontal and diagonal lines and using text and images.

Greater Depth Questions to support finding equivalence of half and a quarter of lengths, mixed objects and shapes including circles, triangles, quadrilaterals and polygons, using a mixture of vertical, horizontal and diagonal lines and using text and images arranged at random.

More [Year 2 Fractions](#) resources

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

Equivalence of Half and Two Quarters

1a. Circle $\frac{1}{2}$ of the apples.



Circle $\frac{2}{4}$ of the apples.



VF

Equivalence of Half and Two Quarters

1b. Circle $\frac{1}{2}$ of the pencils.

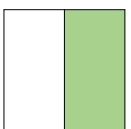
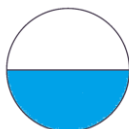
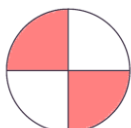
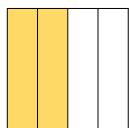


Circle $\frac{2}{4}$ of the pencils.



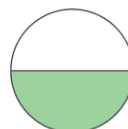
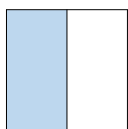
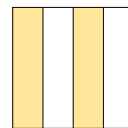
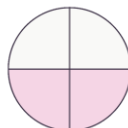
VF

2a. Match the shapes to their equivalent fraction.



VF

2b. Match the shapes to their equivalent fraction.

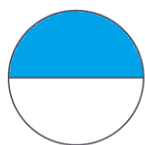


VF

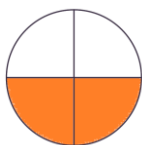
3a. True or false?

$\frac{1}{2}$ of circle A is the same as $\frac{2}{4}$ of circle B.

A.



B.

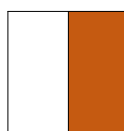


VF

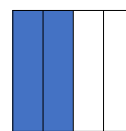
3b. True or false?

$\frac{1}{2}$ of square A is the same as $\frac{2}{4}$ of square B.

A.



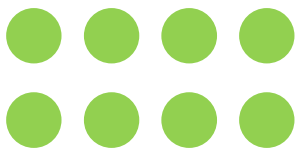
B.



VF

4a. Use the counters to complete the statements.

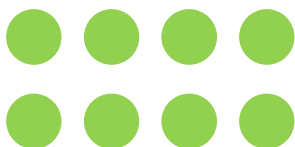
$\frac{1}{2}$ of



is



$\frac{2}{4}$ of



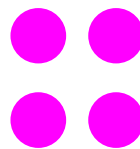
is



VF

4b. Use the counters to complete the statements.

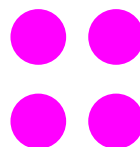
$\frac{1}{2}$ of



is



$\frac{2}{4}$ of



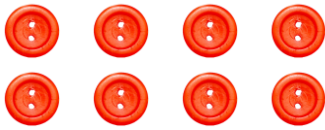
is



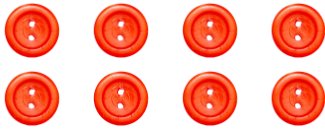
VF

Equivalence of Half and Two Quarters

5a. Circle $\frac{1}{2}$ of the buttons.



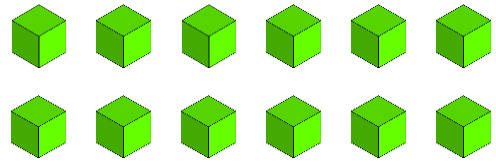
Circle $\frac{2}{4}$ of the buttons.



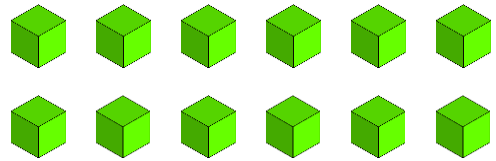
VF

Equivalence of Half and Two Quarters

5b. Circle $\frac{1}{2}$ of the blocks.

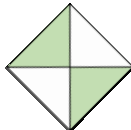
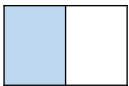
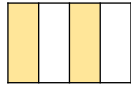
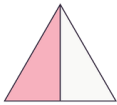
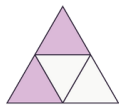
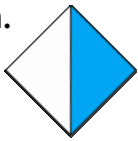


Circle $\frac{2}{4}$ of the blocks.



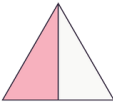
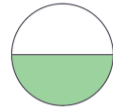
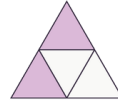
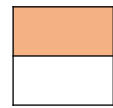
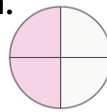
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6a. Match the shapes to their equivalent fraction.



VF

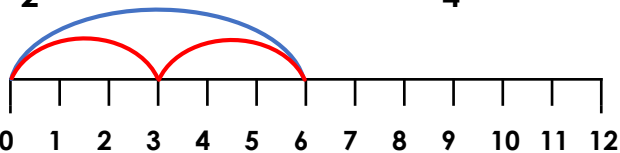
6b. Match the shapes to their equivalent fraction.



VF

7a. True or false?

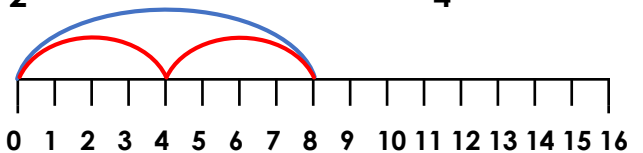
$\frac{1}{2}$ of 12cm is the same as $\frac{2}{4}$ of 12 cm.



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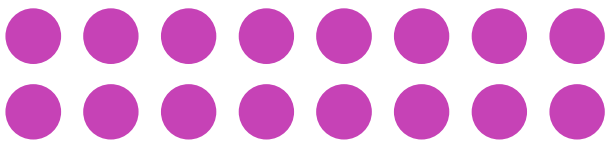
7b. True or false?

$\frac{1}{2}$ of 16cm is the same as $\frac{2}{4}$ of 16 cm.



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8a. Use the counters to complete the statements.



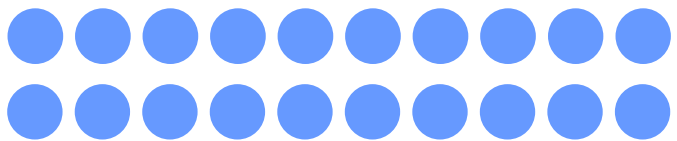
$\frac{1}{2}$ of 16 is

$\frac{2}{4}$ of 16 is



VF

8b. Use the counters to complete the statements.



$\frac{1}{2}$ of 20 is

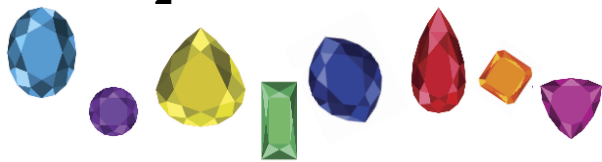
$\frac{2}{4}$ of 20 is



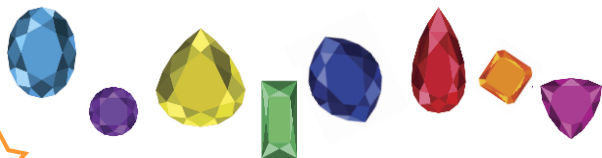
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Equivalence of Half and Two Quarters

9a. Circle $\frac{1}{2}$ of the gems.



Circle $\frac{2}{4}$ of the gems.



VF

Equivalence of Half and Two Quarters

9b. Circle $\frac{1}{2}$ of the pencils.

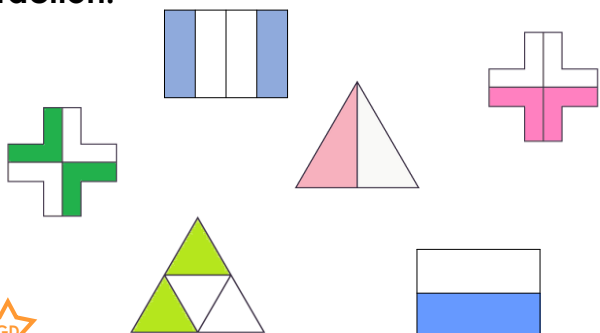


Circle $\frac{2}{4}$ of the pencils.



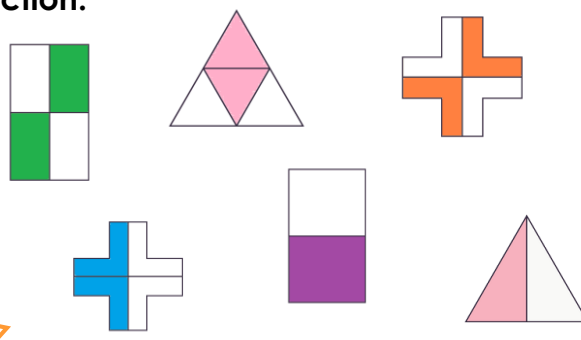
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10a. Match the shapes to their equivalent fraction.



VF

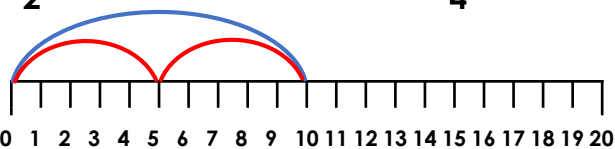
10b. Match the shapes to their equivalent fraction.



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11a. True or false?

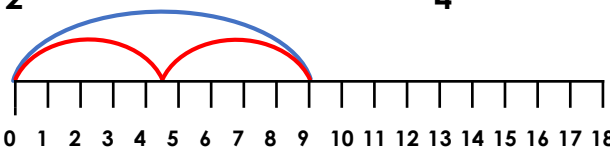
$\frac{1}{2}$ of 20cm is the same as $\frac{2}{4}$ of 20cm.



VF

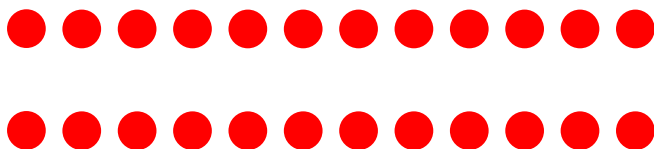
11b. True or false?

$\frac{1}{2}$ of 18cm is the same as $\frac{2}{4}$ of 18cm.



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12a. Use the counters to complete the statements.



$\frac{1}{2}$ of 24 is

$\frac{2}{4}$ of 24 is



VF

12b. Use the counters to complete the statements.



$\frac{1}{2}$ of 28 is

$\frac{2}{4}$ of 28 is



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Varied Fluency

Equivalence of Half and Two Quarters

Developing

- 1a. 2 apples circled for both questions.
- 2a. Shapes should be matched to the same shape, e.g. square to square.
- 3a. True
- 4a. 4

Expected

- 5a. 4 buttons circled for both questions.
- 6a. Shapes should be matched to the same shape, e.g. triangle to triangle.
- 7a. True
- 8a. 8

Greater Depth

- 9a. 4 gems circled.
- 10a. The same shapes should be matched together, e.g. cross to cross.
- 11a. True
- 12a. 12

Varied Fluency

Equivalence of Half and Two Quarters

Developing

- 1b. 4 pencils circled for both questions.
- 2b. Shapes should be matched to the same shape, e.g. circle to circle.
- 3b. True
- 4b. 2

Expected

- 5b. 6 blocks circled for both questions.
- 6b. Shapes should be matched to the same shape, e.g. circle to circle.
- 7b. True
- 8b. 10

Greater Depth

- 9b. 4 pencils circled.
- 10b. The same shapes should be matched together, e.g. triangle to triangle.
- 11b. True
- 12b. 14