

Year 2 – Spring Block 4 – Fractions – Equivalence of Half and Two Quarters

About This Resource:

This PowerPoint has been designed to support your teaching of this small step. It includes a starter activity and an example of each question from the Varied Fluency and Reasoning and Problem Solving resources also provided in this pack. You can choose to work through all examples provided or a selection of them depending on the needs of your class.

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\$](#)

More [Year 2 Fractions](#) resources

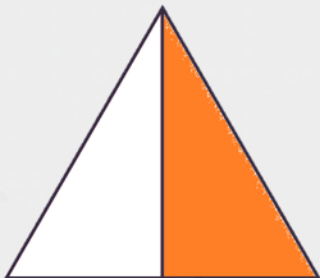
Did you like this resource? Don't forget to [review](#) it on our website.

Step 10: Equivalence of Half and Two Quarters

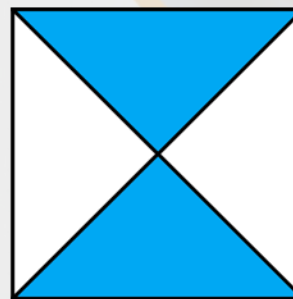
Introduction

Identify what fractions are shaded in the shapes below.

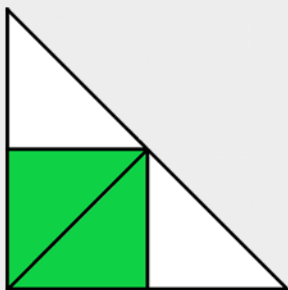
A.



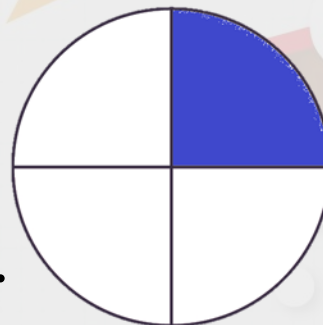
B.



C.



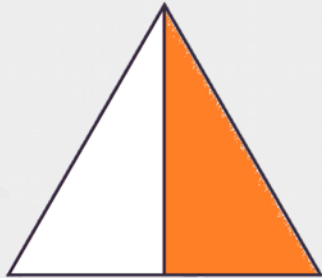
D.



Introduction

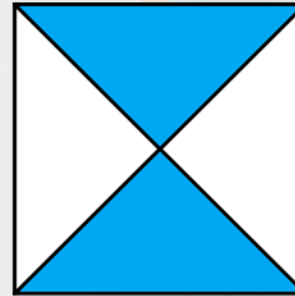
Identify what fractions are shaded in the shapes below.

A.



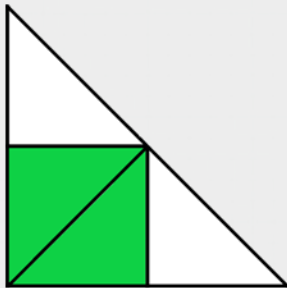
$$\frac{1}{2}$$

B.



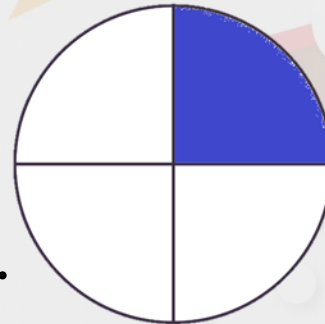
$$\frac{2}{4}$$

C.



$$\frac{2}{4}$$

D.



$$\frac{1}{4}$$

Varied Fluency 1

Circle $\frac{1}{2}$ of the ice-creams.

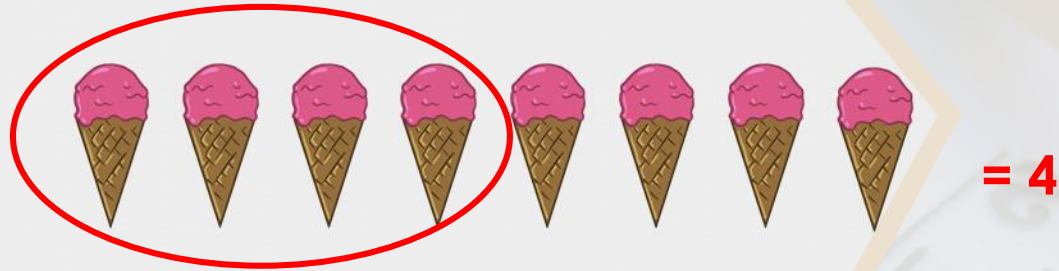


Circle $\frac{2}{4}$ of the ice-creams.



Varied Fluency 1

Circle $\frac{1}{2}$ of the ice-creams.

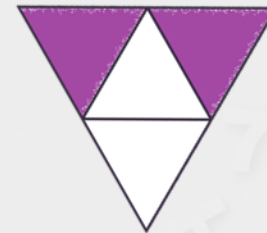
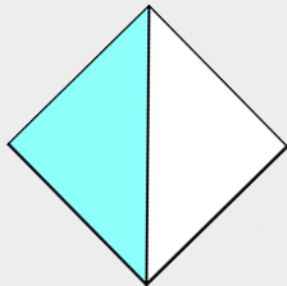
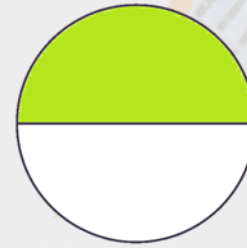
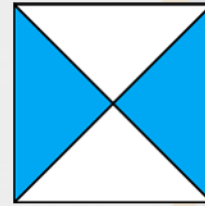
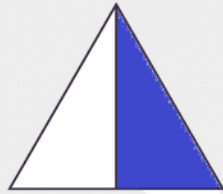


Circle $\frac{2}{4}$ of the ice-creams.



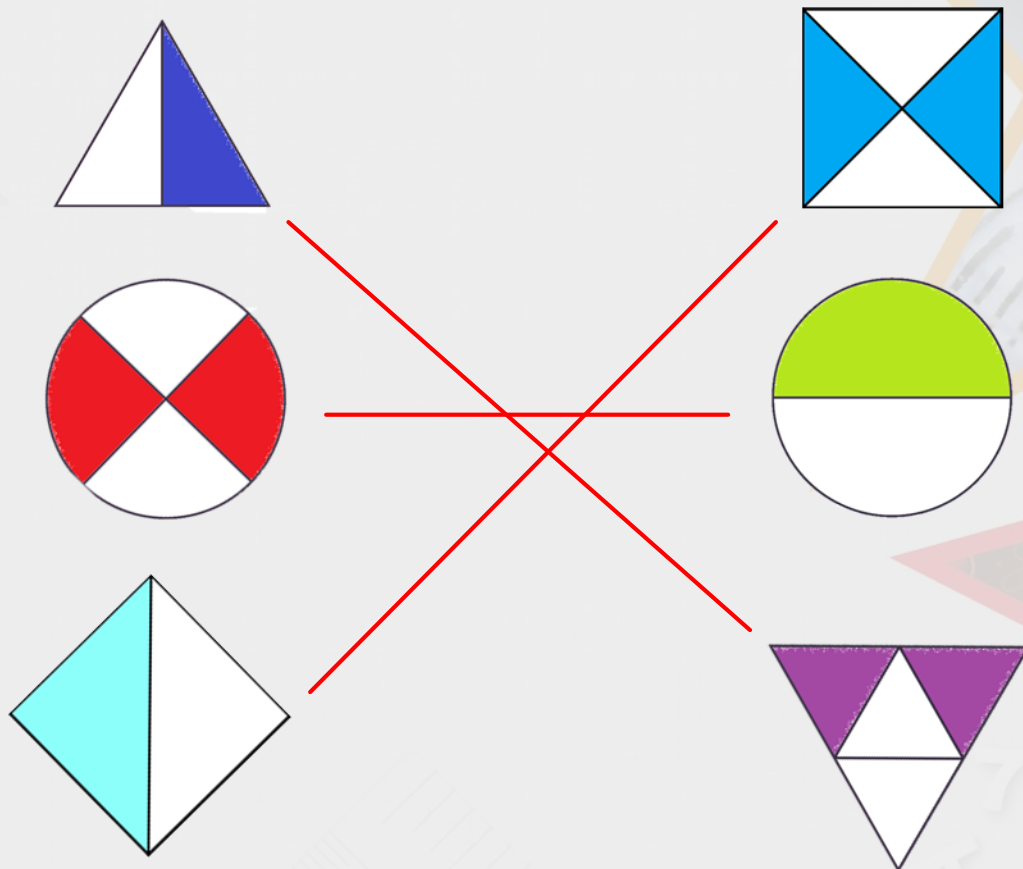
Varied Fluency 2

Match the shapes to their equivalent fraction.



Varied Fluency 2

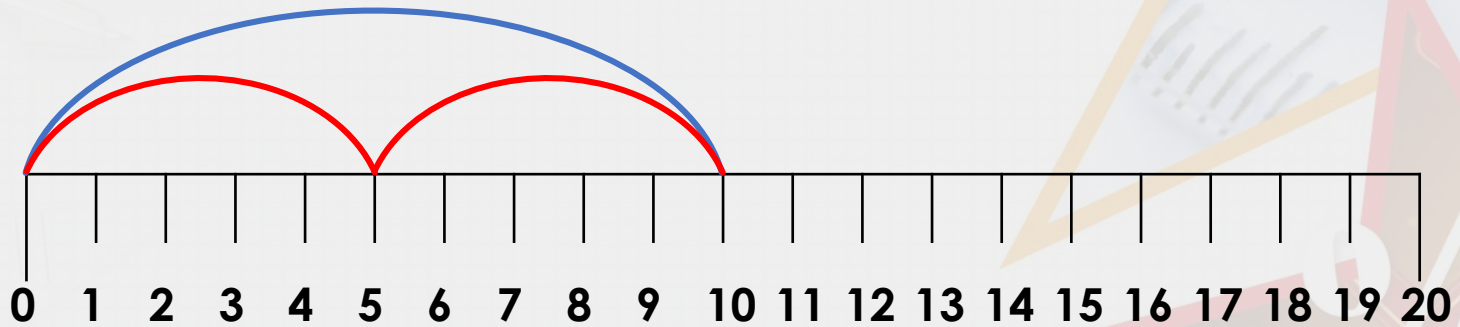
Match the shapes to their equivalent fraction.



Varied Fluency 3

True or false?

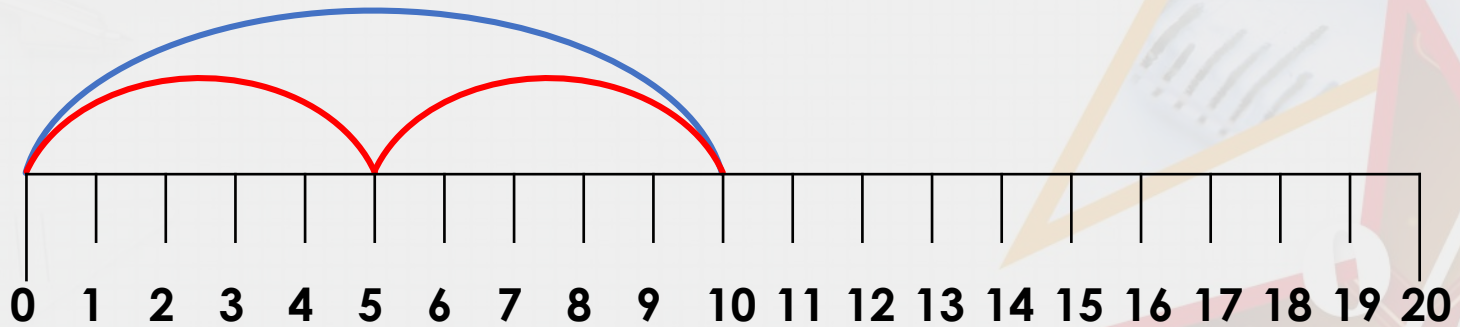
$\frac{1}{2}$ of 20cm is the same as $\frac{2}{4}$ of 20cm.



Varied Fluency 3

True or false?

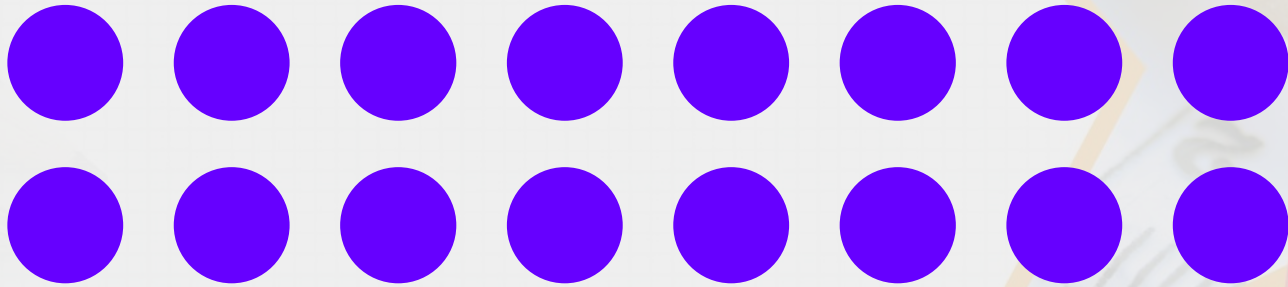
$\frac{1}{2}$ of 20cm is the same as $\frac{2}{4}$ of 20cm.



True

Varied Fluency 4

Use the counters to complete the statements.

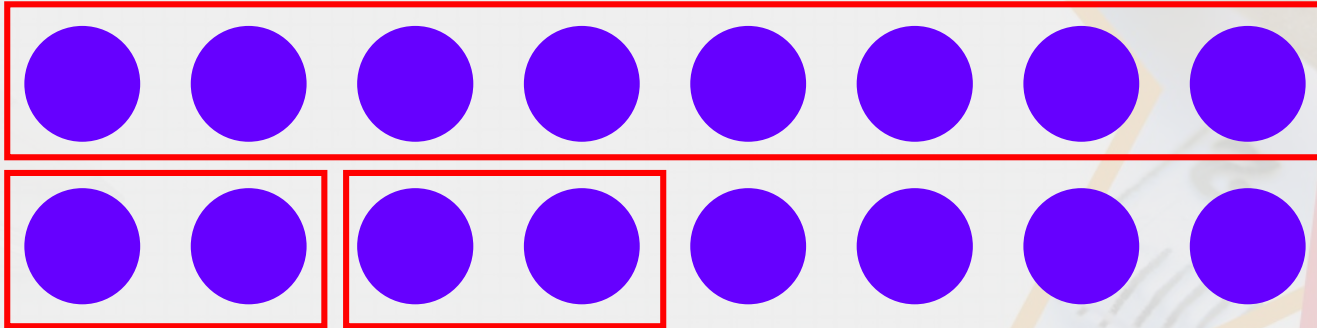


$\frac{1}{2}$ of 16 is

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

Varied Fluency 4

Use the counters to complete the statements.



$$\frac{1}{2} \text{ of } 16 \text{ is } \boxed{8}$$

$$\frac{2}{4} \text{ of } 16 \text{ is } \boxed{8}$$

Problem Solving 1

Jasper has a bag of 10 marbles. He gives $\frac{1}{2}$ of them to his brother, Eli.

Eli has a bag of 12 marbles. He gives $\frac{2}{4}$ of them to his brother.

Who receives the most?



Problem Solving 1

Jasper has a bag of 10 marbles. He gives $\frac{1}{2}$ of them to his brother, Eli.

Eli has a bag of 12 marbles. He gives $\frac{2}{4}$ of them to his brother.

Who receives the most?

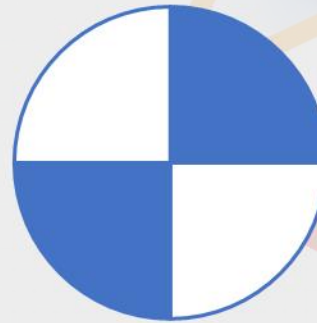
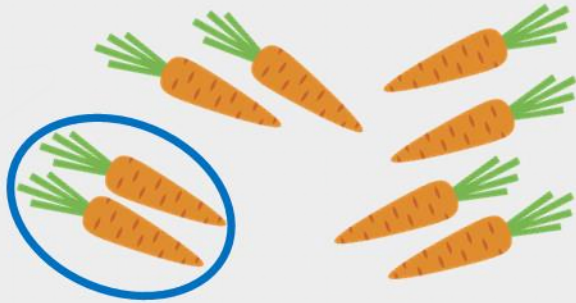
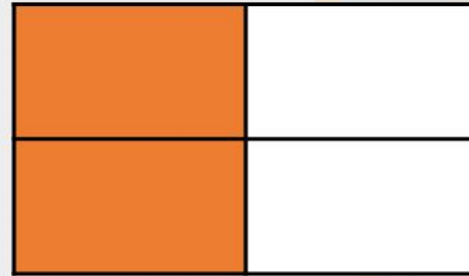
Jasper receives the most. He gets 6 marbles, Eli gets 5 marbles.



Reasoning 1

Find the odd one out.

$$\frac{2}{4}$$

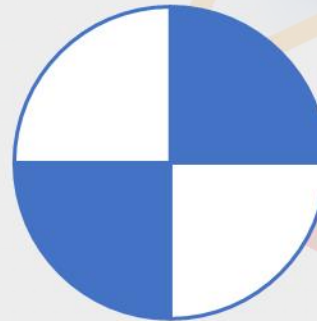
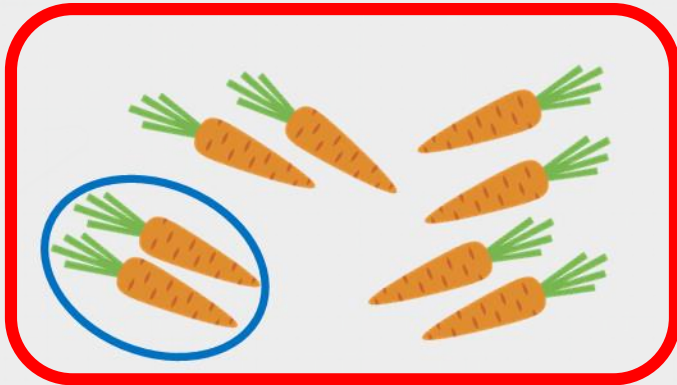
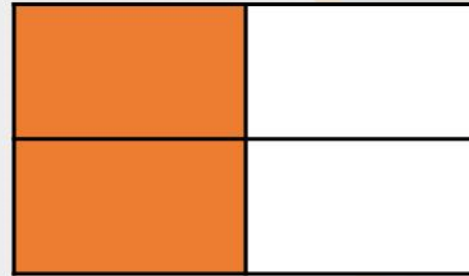


Explain your answer.

Reasoning 1

Find the odd one out.

$$\frac{2}{4}$$



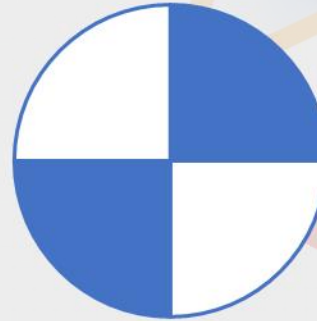
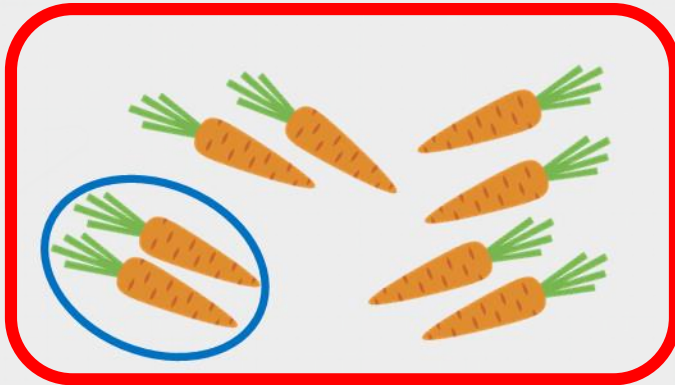
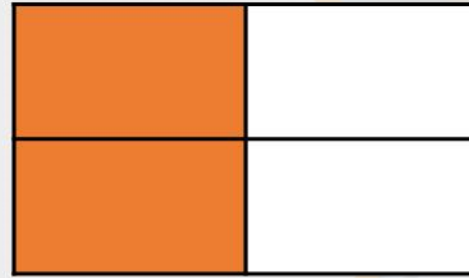
Explain your answer.

The carrots are the odd one out because...

Reasoning 1

Find the odd one out.

$$\frac{2}{4}$$

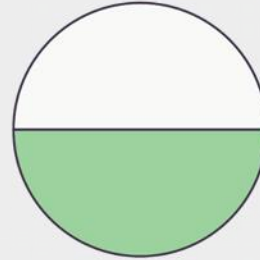
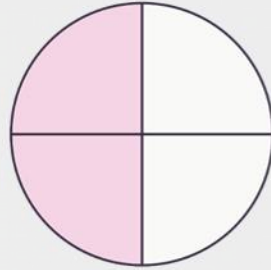


Explain your answer.

The carrots are the odd one out because it shows $\frac{1}{4}$. The rest are equivalent to $\frac{2}{4}$.

Reasoning 2

Meera and Jay are looking at equivalent fractions.



Meera says,



The circles do not have equivalent fractions shaded.

Jay says,

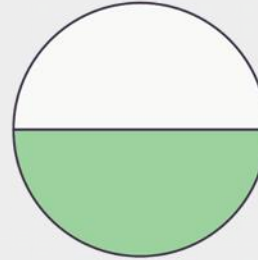
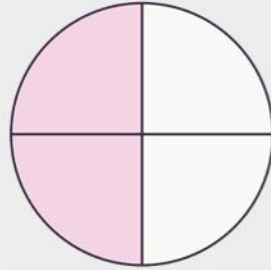
The circles do have equivalent fractions shaded.



Who is correct? Explain your answer.

Reasoning 2

Meera and Jay are looking at equivalent fractions.



Meera says,



The circles do not have equivalent fractions shaded.

Jay says,

The circles do have equivalent fractions shaded.

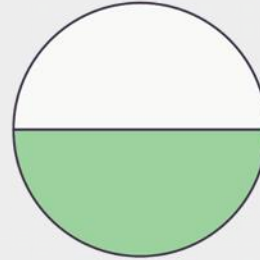
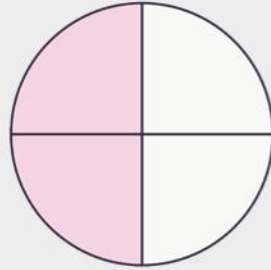


Who is correct? Explain your answer.

Jay is correct because...

Reasoning 2

Meera and Jay are looking at equivalent fractions.



Meera says,



The circles do not have equivalent fractions shaded.

Jay says,

The circles do have equivalent fractions shaded.



Who is correct? Explain your answer.

Jay is correct because $\frac{2}{4}$ and $\frac{1}{2}$ are equivalent fractions.