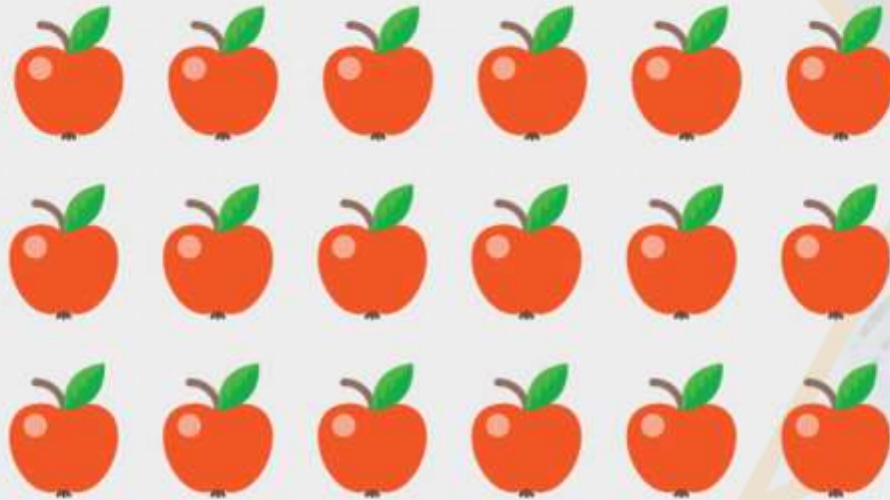


Step 1: Make Equal Parts

Introduction

Complete the questions below.



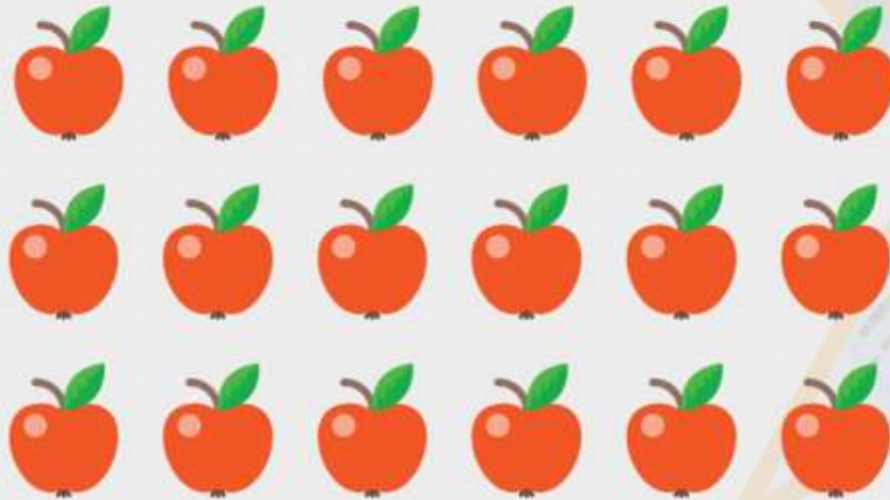
a) The whole amount is?

b) If the apples were divided into 2 equal parts, how many would be in each part?

c) If the apples were divided into 3 equal parts, how many would be in each part?

Introduction

Complete the questions below.



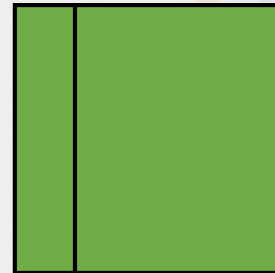
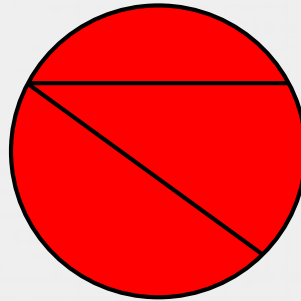
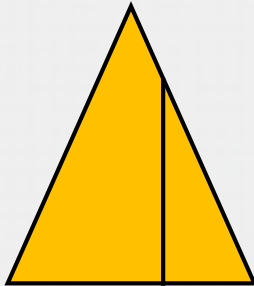
a) The whole amount is? **18**

b) If the apples were divided into 2 equal parts, how many would be in each part? **9**

c) If the apples were divided into 3 equal parts, how many would be in each part? **6**

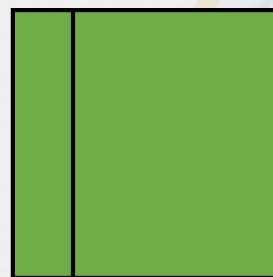
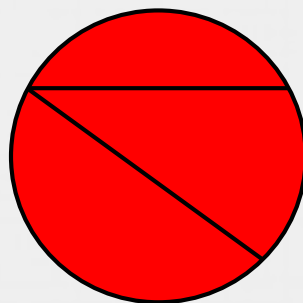
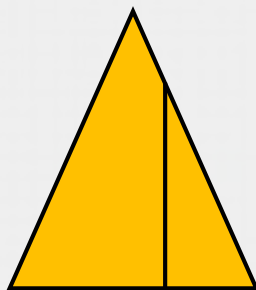
Varied Fluency 1

True or false? The shapes below are divided into equal parts.



Varied Fluency 1

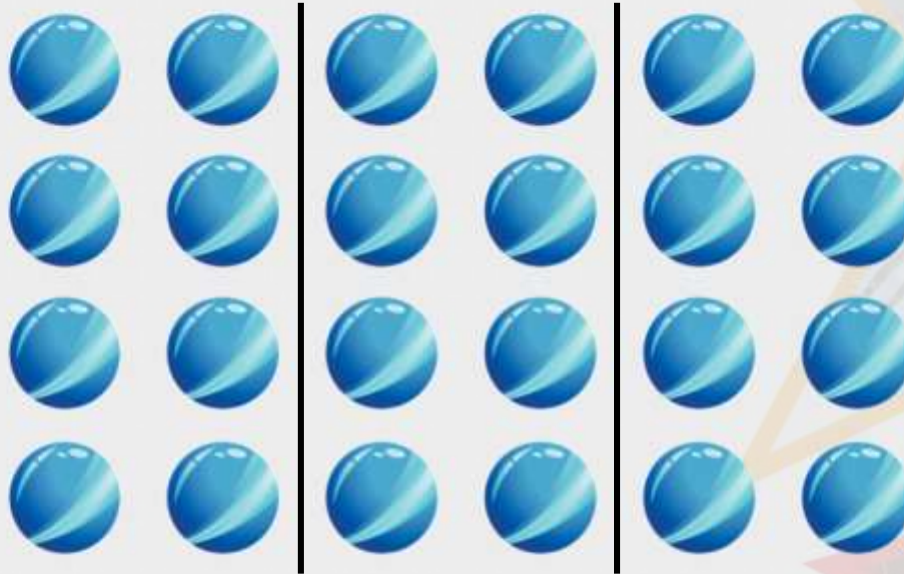
True or false? The shapes below are divided into equal parts.



False. The shapes are divided into unequal parts.

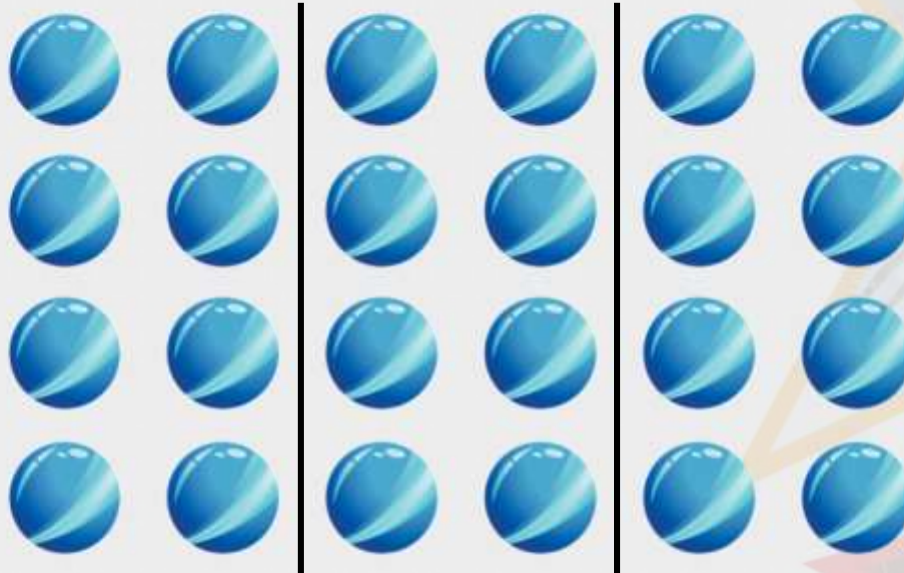
Varied Fluency 2

How many parts are the marbles split into?



Varied Fluency 2




How many parts are the marbles split into?



3 parts




Varied Fluency 3

Are the images split into equal or unequal parts?

		Equal	Unequal
A.		<input type="checkbox"/>	<input type="checkbox"/>
B.		<input type="checkbox"/>	<input type="checkbox"/>
C.		<input type="checkbox"/>	<input type="checkbox"/>

Varied Fluency 3

Are the images split into equal or unequal parts?

		Equal	Unequal
A.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
B.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
C.		<input type="checkbox"/>	<input checked="" type="checkbox"/>

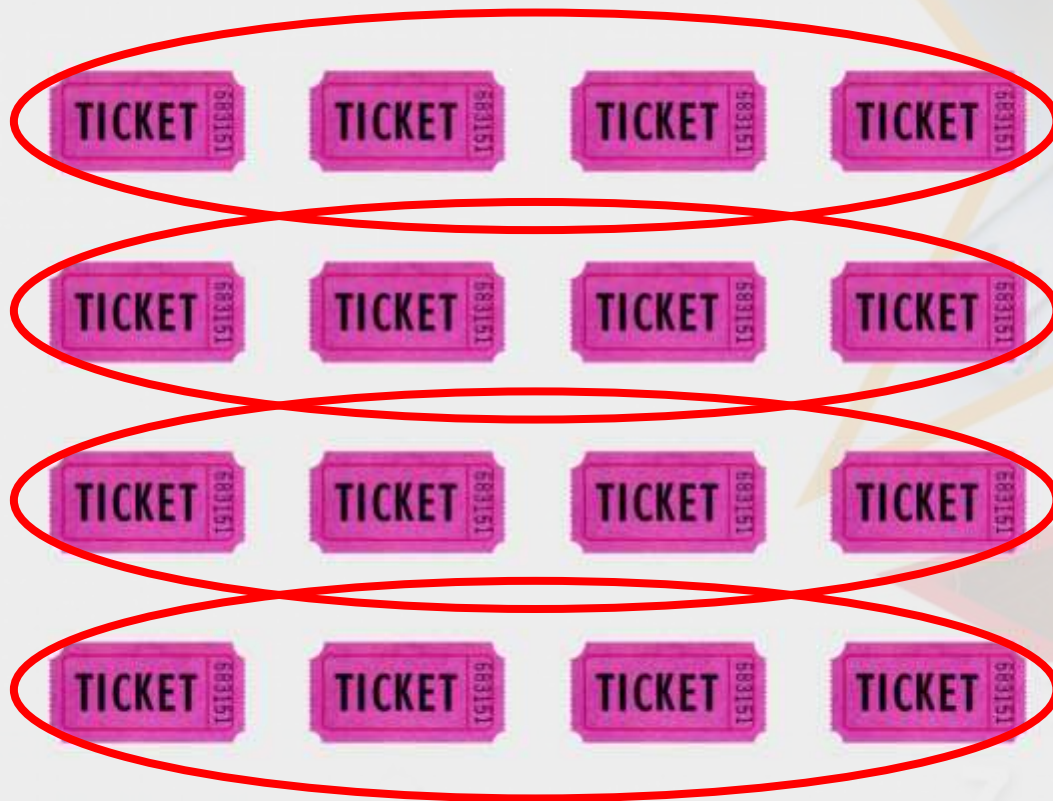
Varied Fluency 4

Divide the tickets into 4 equal parts by circling each part.



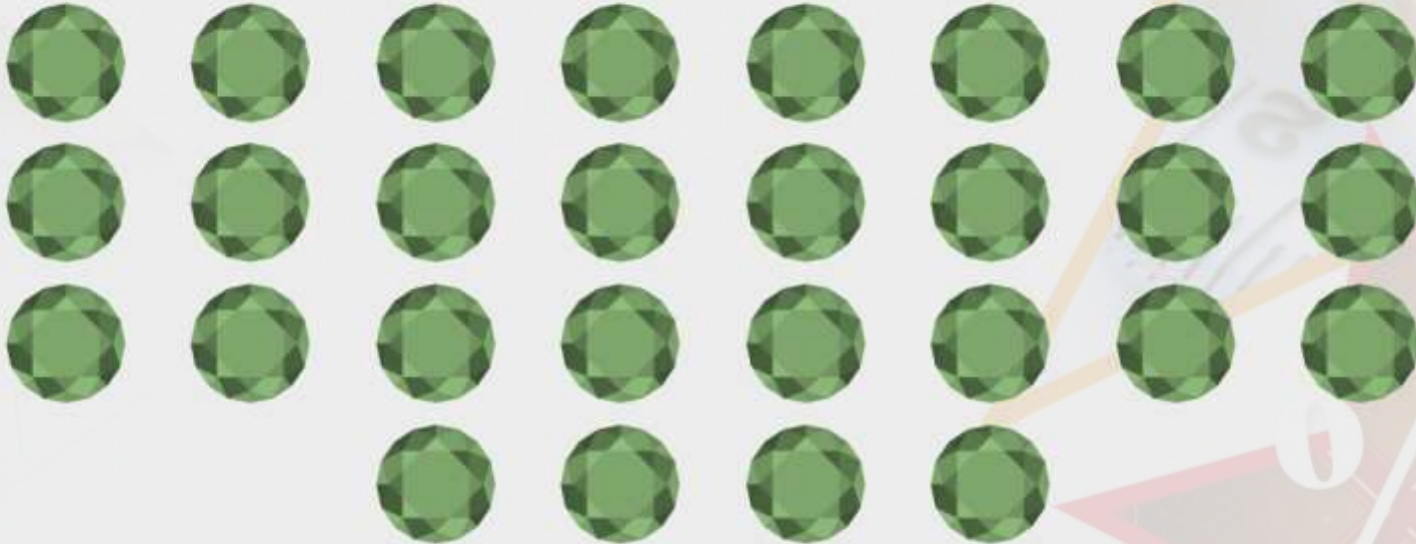
Varied Fluency 4

Divide the tickets into 4 equal parts by circling each part.



Reasoning 1

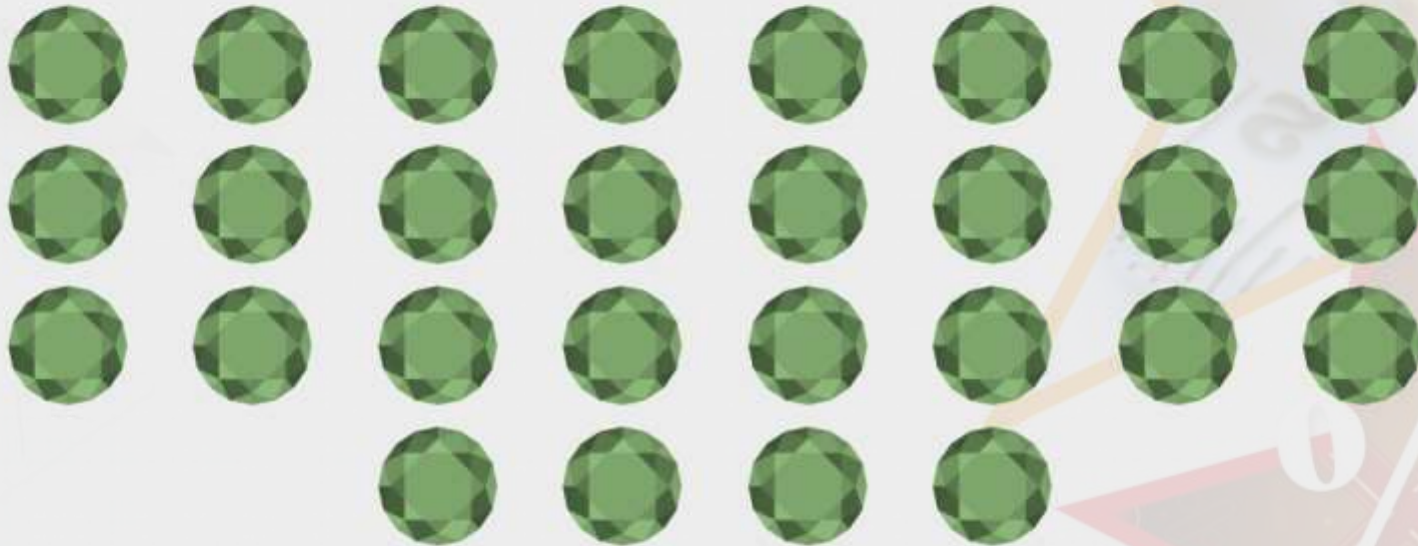
Evie thinks that if she divides the jewels into 4 equal parts, there will be 7 in each part.



Is Evie correct? Explain why.

Reasoning 1

Evie thinks that if she divides the jewels into 4 equal parts, there will be 7 in each part.

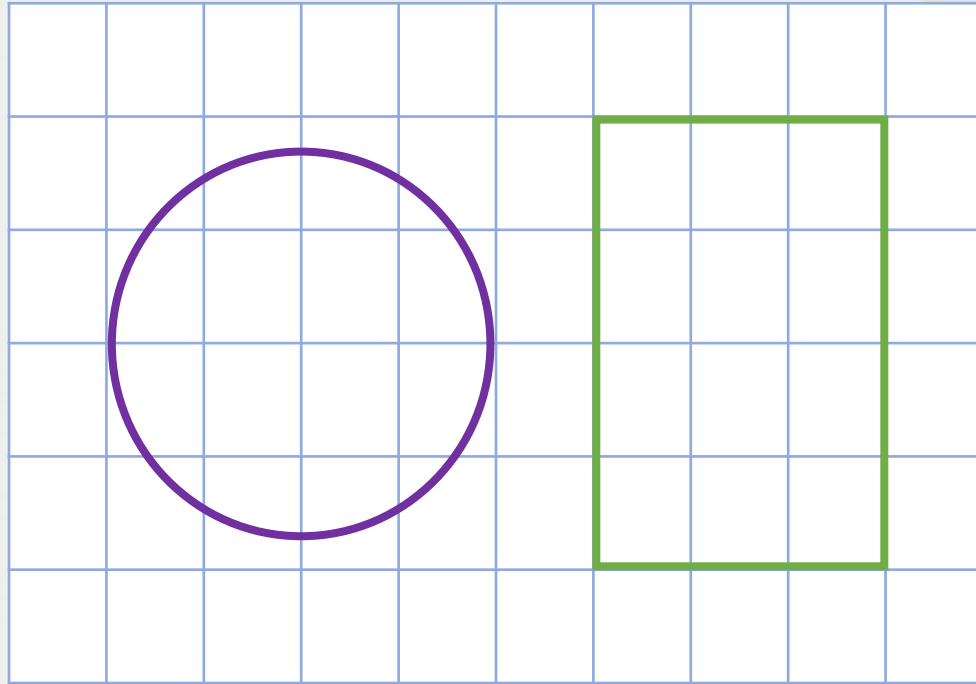


Is Evie correct? Explain why.

Evie is correct because 28 shared equally into 4 groups is 7.

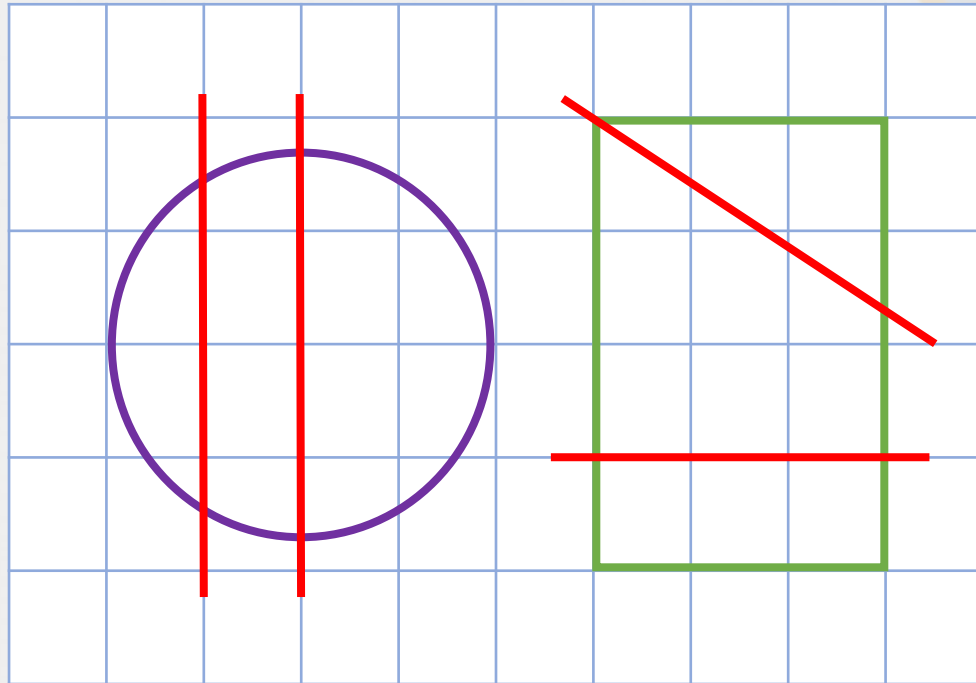
Problem Solving 1

Divide the shapes below into 3 unequal parts.



Problem Solving 1

Divide the shapes below into 3 unequal parts.

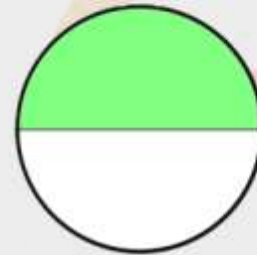
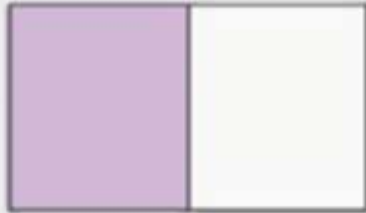


Various possible answers.

Step 2: Recognise a Half

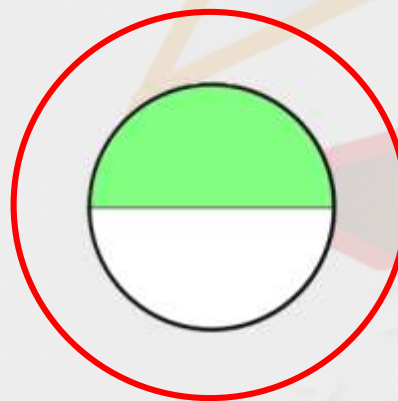
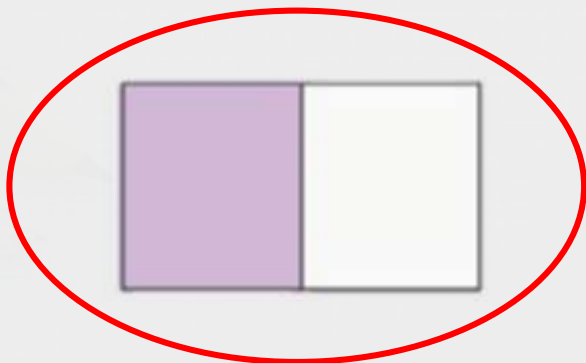
Varied Fluency 1

Circle the images that have 2 equal parts.



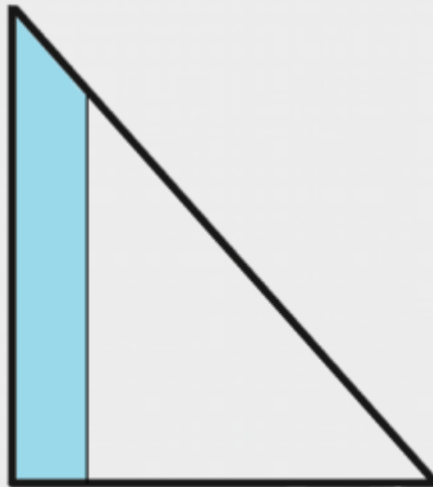
Varied Fluency 1

Circle the images that have 2 equal parts.



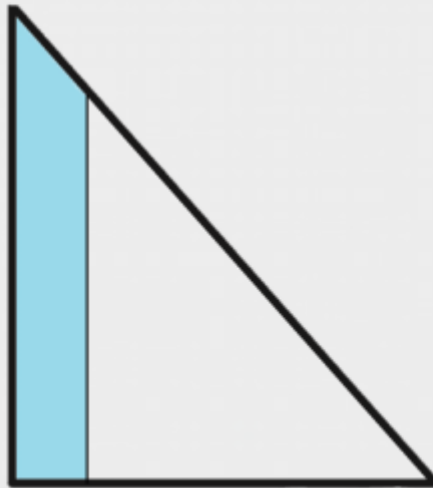
Varied Fluency 2

True or false? The image below shows a half.



Varied Fluency 2

True or false? The image below shows a half.

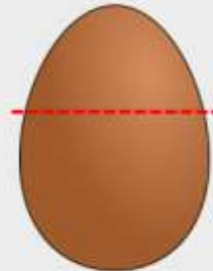
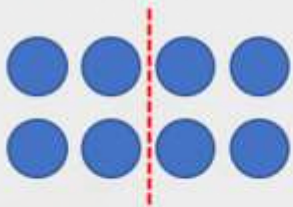


False because the two parts are not equal.

Varied Fluency 3

Sort the images into the table.

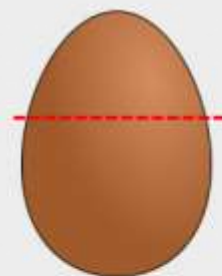
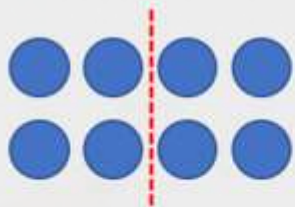
$\frac{1}{2}$	not $\frac{1}{2}$



Varied Fluency 3

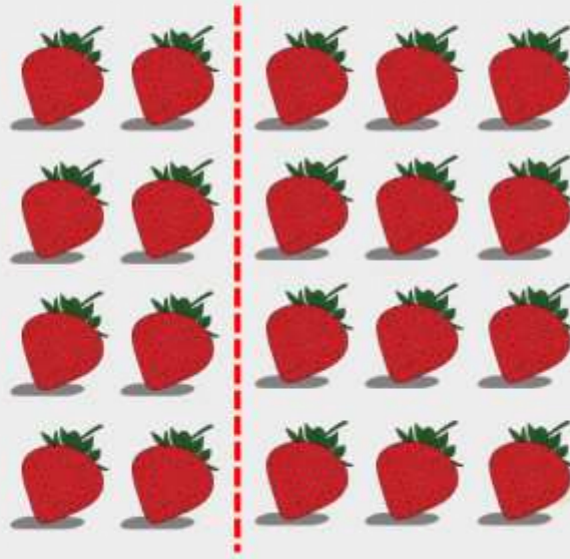
Sort the images into the table.

$\frac{1}{2}$	not $\frac{1}{2}$
A and D	B and C



Reasoning 1

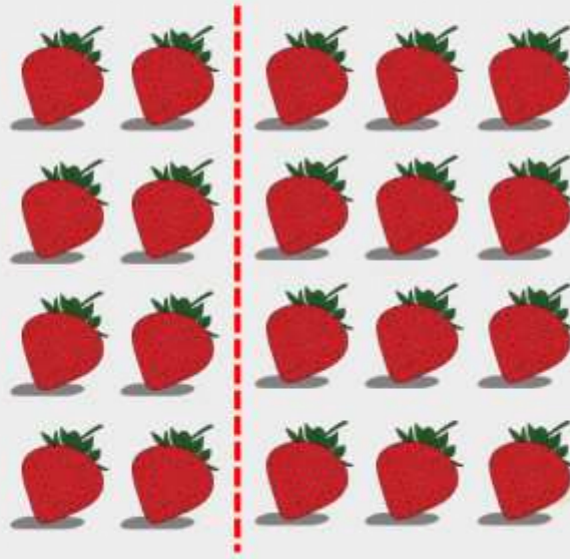
True or false? The following objects are divided into half.



Explain why or why not.

Reasoning 1

True or false? The following objects are divided into half.

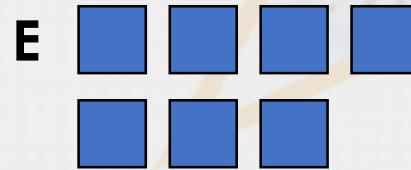
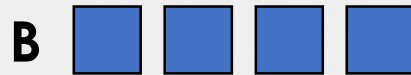


Explain why or why not.

False because the strawberries have not been divided into two equal parts.

Problem Solving 1

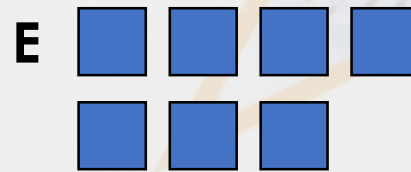
Match the halves to find the odd one out.



Draw the matching half for the odd one out.

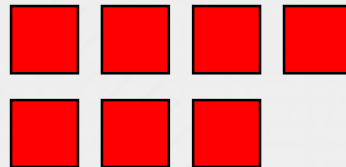
Problem Solving 1

Match the halves to find the odd one out.



Draw the matching half for the odd one out.

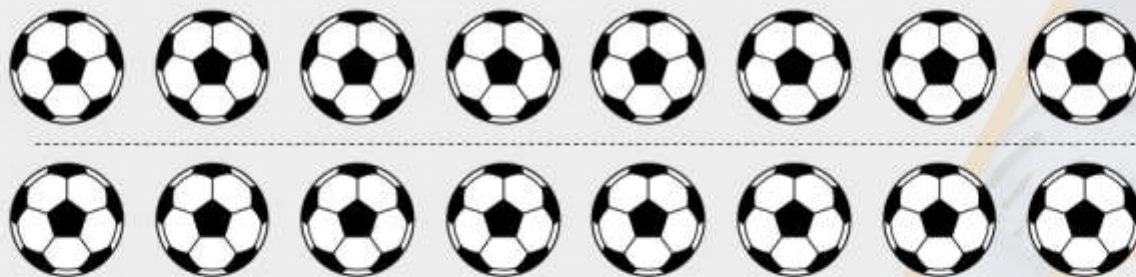
E is the odd one out.



Step 3: Find a Half

Varied Fluency 1

Tick the box to show half of the footballs.



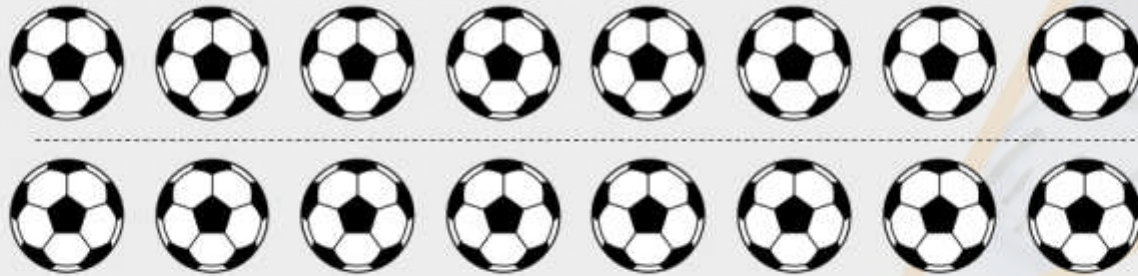
9

8

7

Varied Fluency 1

Tick the box to show half of the footballs.



9

8

7

Varied Fluency 2

Circle $\frac{1}{2}$ of the objects below.



Varied Fluency 2

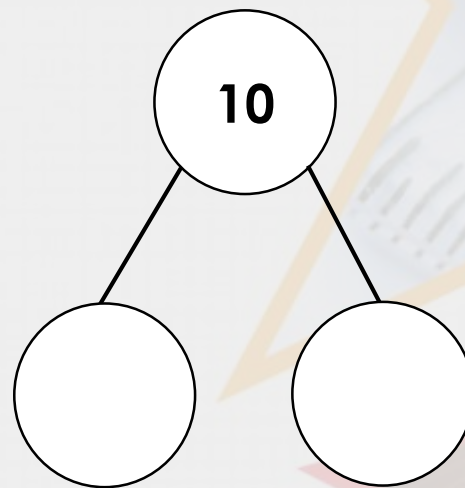
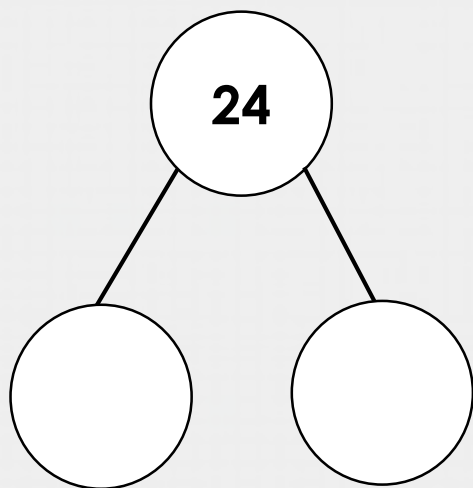
Circle $\frac{1}{2}$ of the objects below.



$$\frac{1}{2} \text{ of } 22 = 11$$

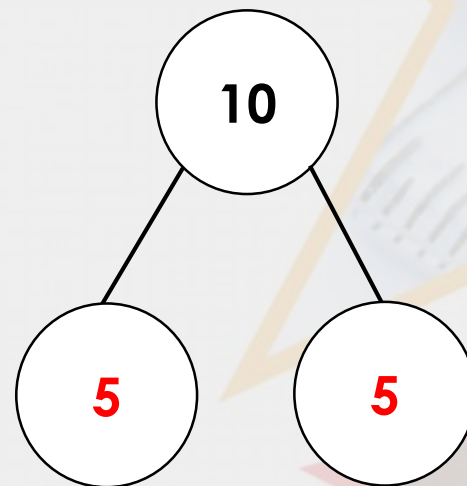
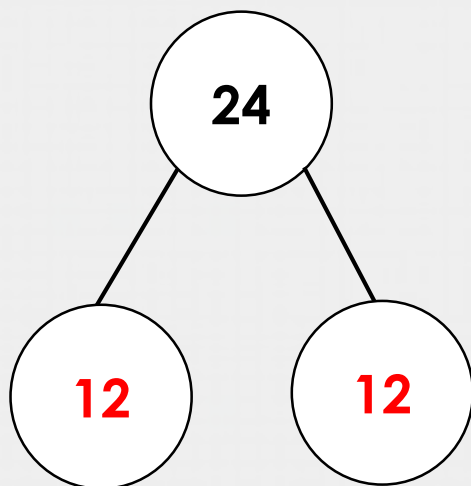
Varied Fluency 3

Use counters to help you complete the part whole models below to represent half of the whole number.



Varied Fluency 3

Use counters to help you complete the part whole models below to represent half of the whole number.



Varied Fluency 4

Complete the equation below.



$$\frac{1}{2} \text{ of } \square = \square$$

Varied Fluency 4

Complete the equation below.



$$\frac{1}{2} \text{ of } \boxed{12} = \boxed{6}$$

Reasoning 1

Is Ahmed correct?



I have 12 marbles. I gave half of them to Shadi. We now have 7 marbles each.

Explain why.

Reasoning 1

Is Ahmed correct?



I have 12 marbles. I gave half of them to Shadi. We now have 7 marbles each.

Explain why.

Ahmed is incorrect because half of 12 is 6.

Problem Solving 1

Using the digit cards, complete the statements below.

8

22

4

11

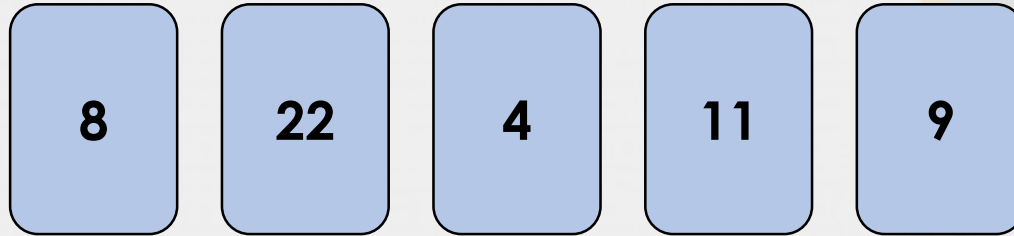
9

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

B. $\frac{1}{2}$ of =

Problem Solving 1

Using the digit cards, complete the statements below.



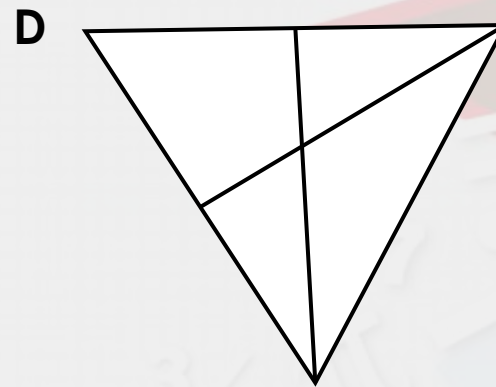
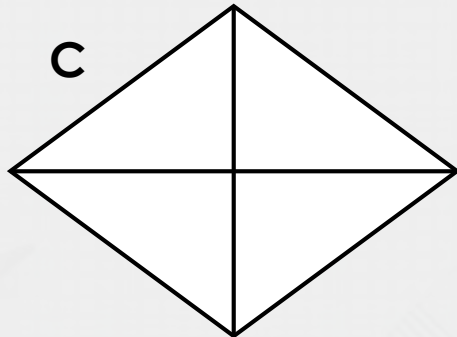
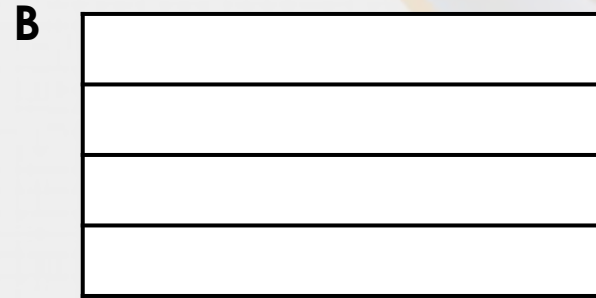
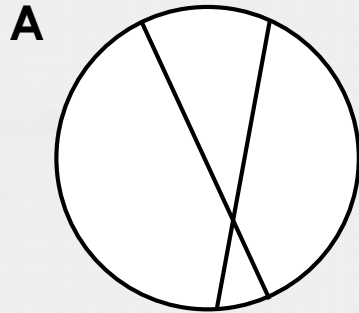
A. $\frac{1}{2}$ of $\boxed{22}$ = $\boxed{11}$

B. $\frac{1}{2}$ of $\boxed{8}$ = $\boxed{4}$

Step 4: Recognise a Quarter

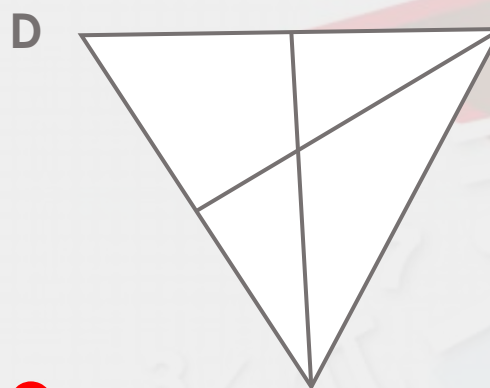
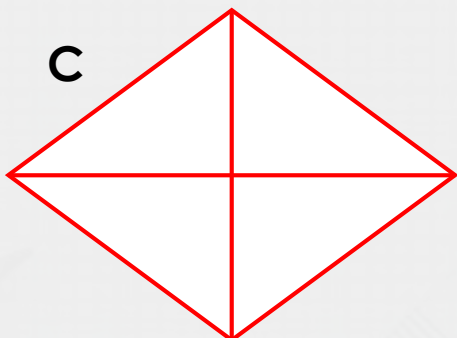
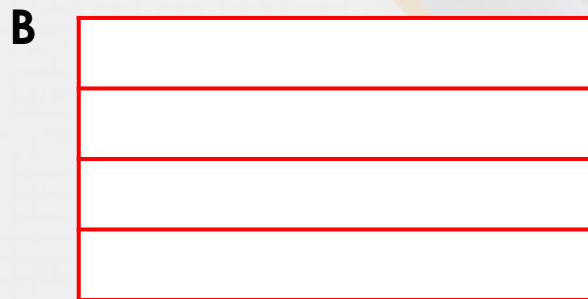
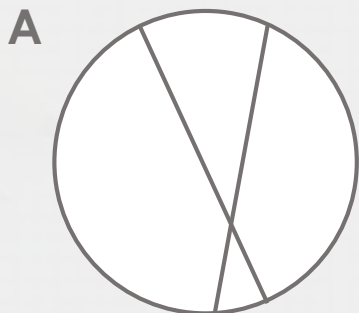
Varied Fluency 1

Tick the shapes that are split into four equal parts.



Varied Fluency 1

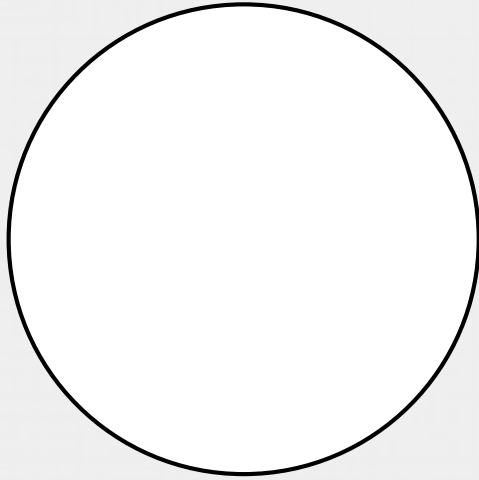
Tick the shapes that are split into four equal parts.



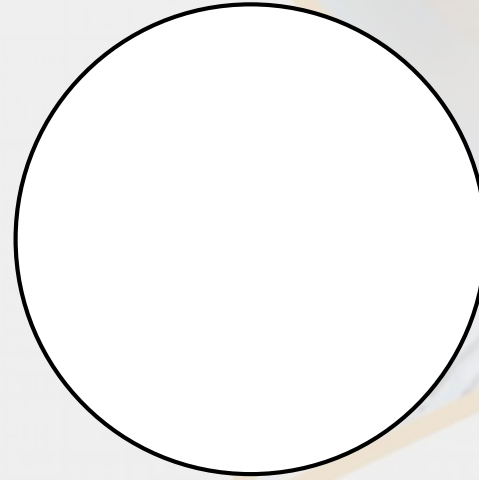
B and C

Varied Fluency 2

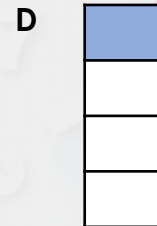
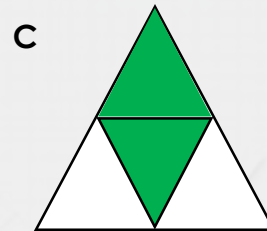
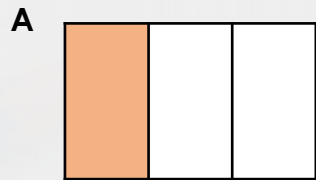
Sort the images into the correct groups.



$\frac{1}{4}$



not $\frac{1}{4}$



Varied Fluency 2

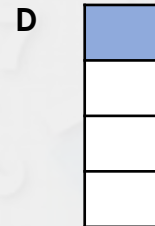
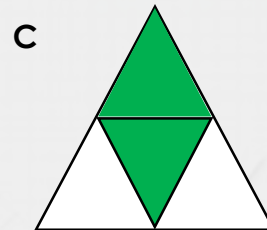
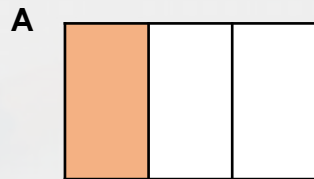
Sort the images into the correct groups.

B and D

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

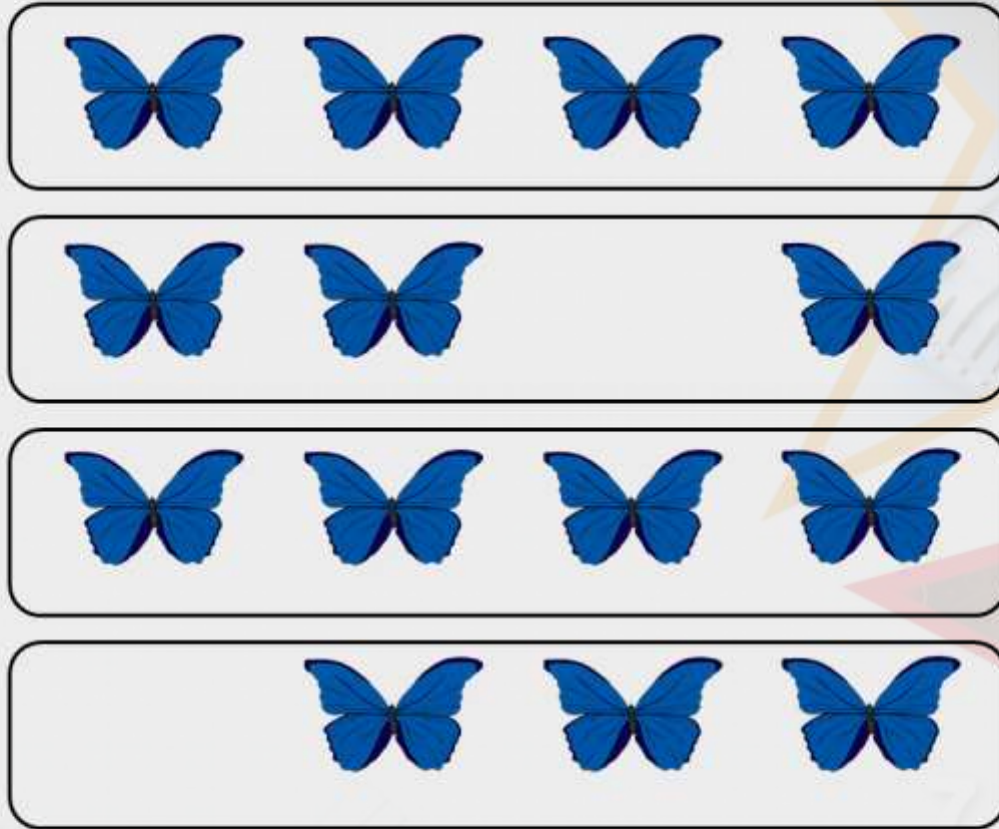
A and C

$$\text{not } \frac{1}{4}$$



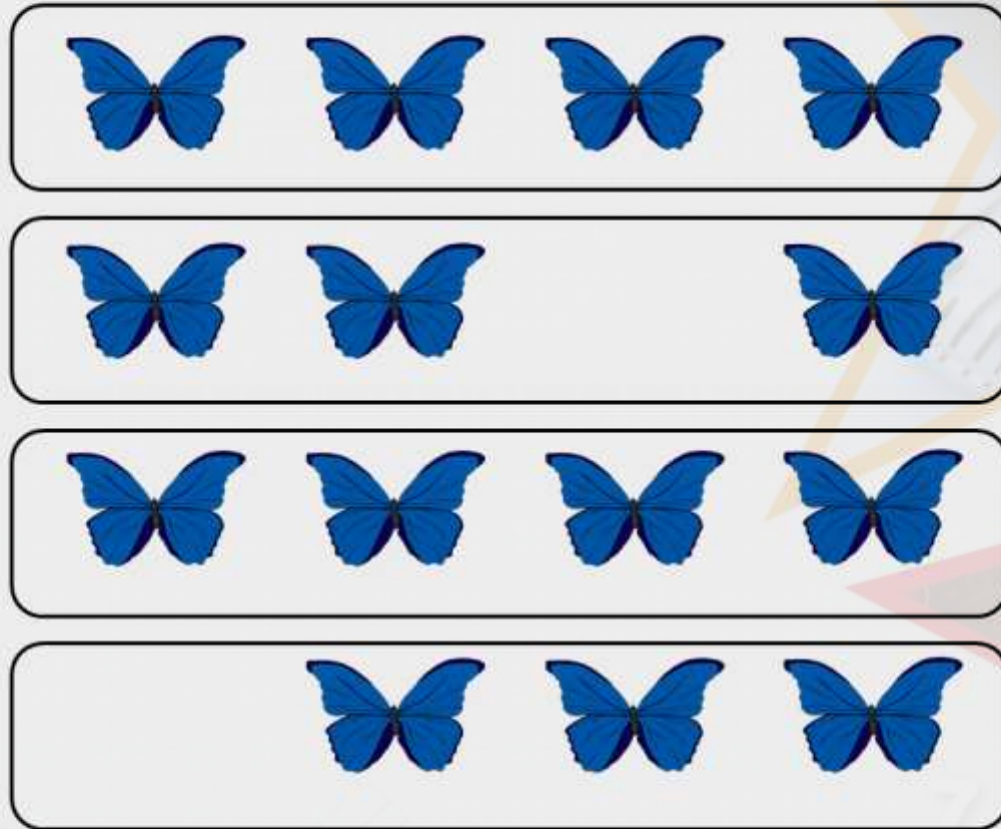
Varied Fluency 3

True or false? This group has been split into 4 equal parts.



Varied Fluency 3

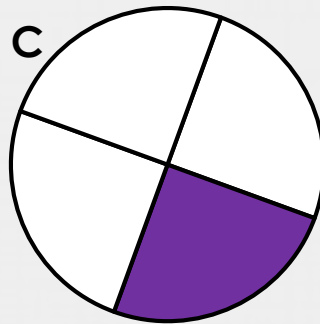
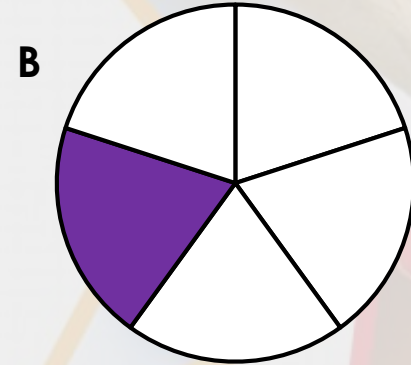
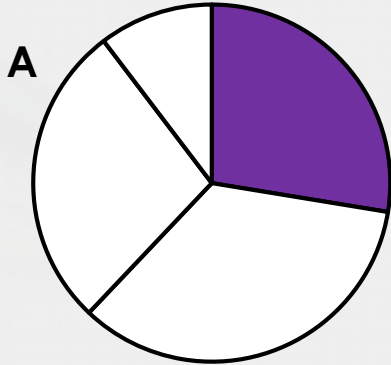
True or false? This group has been split into 4 equal parts.



False; the groups do not contain the same amount.

Reasoning 1

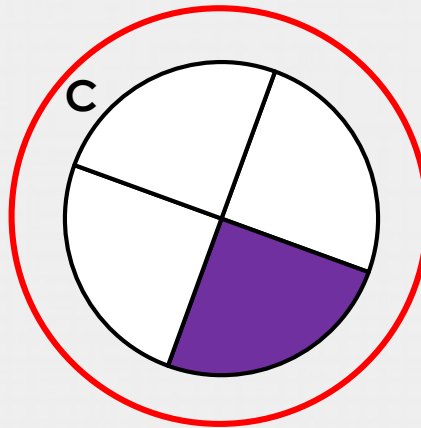
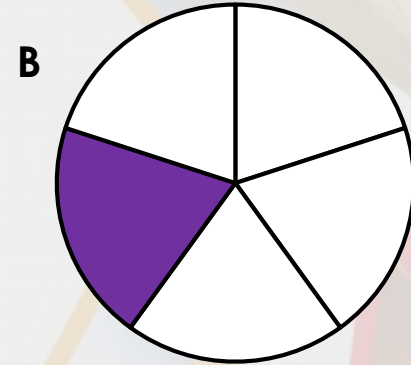
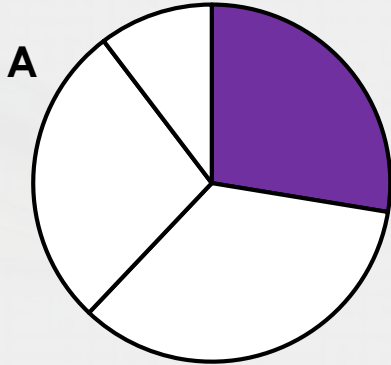
Circle the shape that has one quarter shaded.



Explain your answer.

Reasoning 1

Circle the shape that has one quarter shaded.

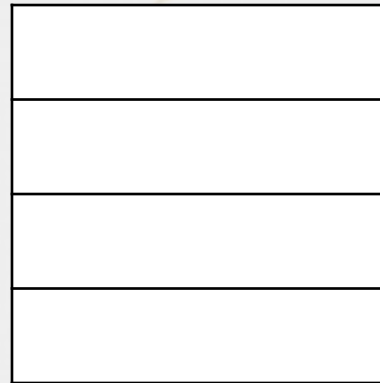
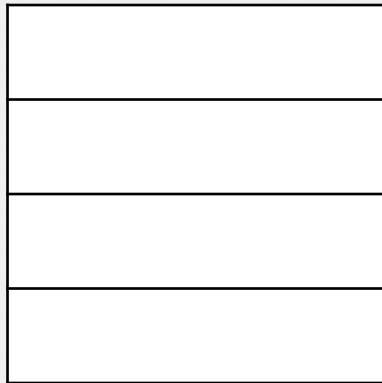


Explain your answer.

C because the circle has four equal parts, and one of them is shaded.

Problem Solving 1

Shade part of each shape to represent $\frac{1}{4}$.



Find four different solutions.

Problem Solving 1

Shade part of each shape to represent $\frac{1}{4}$.

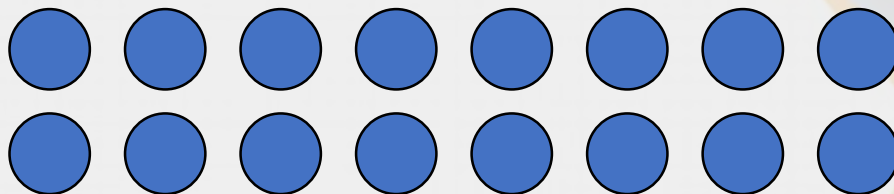


Find four different solutions.

Step 5: Find a Quarter

Varied Fluency 1

Share 16 counters into two equal groups.



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

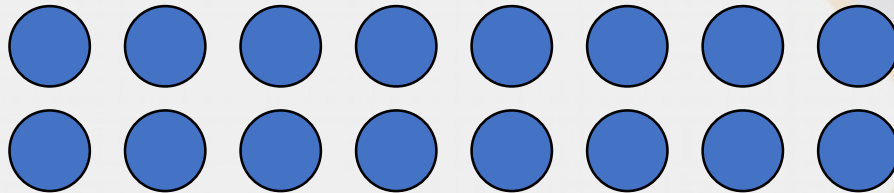
Now share the counters into four equal groups.

$\frac{1}{4}$ of 16 is _____.

What do you notice?

Varied Fluency 1

Share 16 counters into two equal groups.



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

Now share the counters into four equal groups.

$$\frac{1}{4} \text{ of } 16 \text{ is } \underline{4}.$$

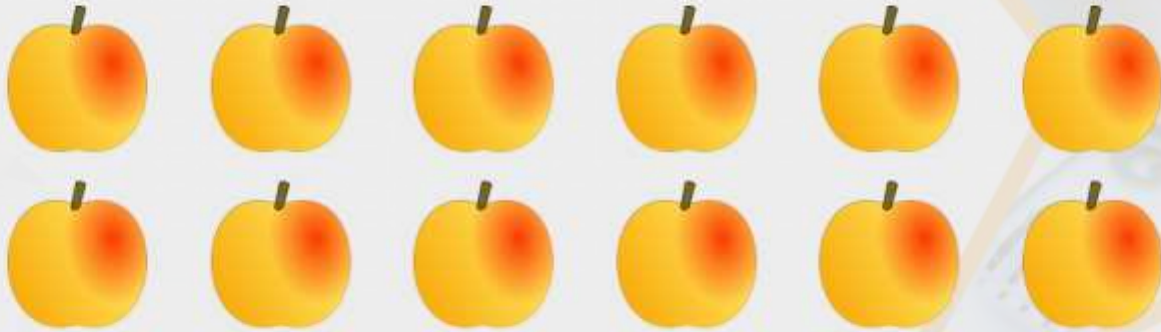
What do you notice?

Four is half of eight.

So, half the whole and half again to find a quarter.

Varied Fluency 2

Find one quarter of the peaches below? Circle the correct answer.



4

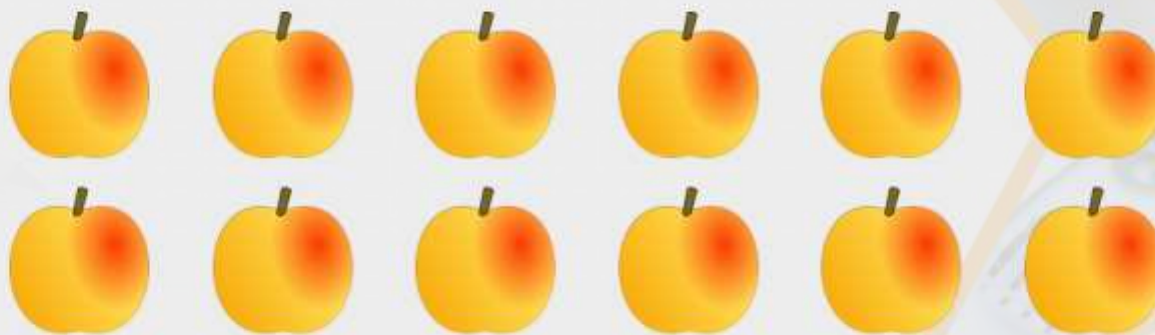
1

2

3

Varied Fluency 2

Find one quarter of the peaches below? Circle the correct answer.



4

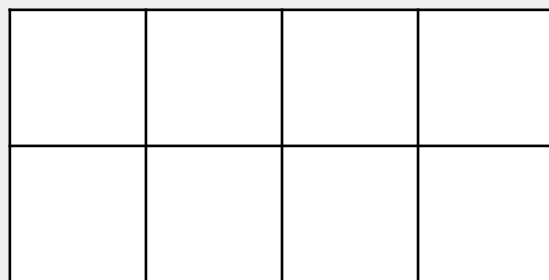
1

2

3

Varied Fluency 3

Colour a quarter of the shape and then complete the sentence.



The shape has equal parts.

$\frac{1}{4}$ of is

Varied Fluency 3

Colour a quarter of the shape and then complete the sentence.
Any 2 parts of the shape can be shaded. One suggestion is:



The shape has equal parts.

of is

Varied Fluency 4

Match the fraction to the answer.

$\frac{1}{4}$ of 12 is

2

$\frac{1}{4}$ of 8 is

3

$\frac{1}{4}$ of 16 is

4

Varied Fluency 4

Match the fraction to the answer.

$\frac{1}{4}$ of 12 is

2

$\frac{1}{4}$ of 8 is

3

$\frac{1}{4}$ of 16 is

4

Problem Solving 1

Match the statement to the correct quarter. Which is the odd one out?

$\frac{1}{4}$ of 8

$\frac{1}{4}$ of 16

$\frac{1}{4}$ of 12



two

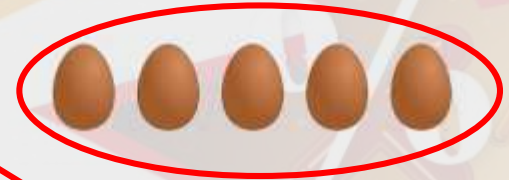
Problem Solving 1

Match the statement to the correct quarter. Which is the odd one out?

$\frac{1}{4}$ of 8

$\frac{1}{4}$ of 16

$\frac{1}{4}$ of 12



two

5 eggs is the odd one out.

Reasoning 1

Sara and Tom are talking about quarters.



$$\frac{1}{4} \text{ of } 16\text{cm} = 4\text{cm.}$$

$$\frac{1}{4} \text{ of } 16\text{cm} = 3\text{cm.}$$



Who is correct? Convince me.

Sara is correct because...

Reasoning 1

Sara and Tom are talking about quarters.



$$\frac{1}{4} \text{ of } 16\text{cm} = 4\text{cm.}$$

$$\frac{1}{4} \text{ of } 16\text{cm} = 3\text{cm.}$$



Who is correct? Convince me.

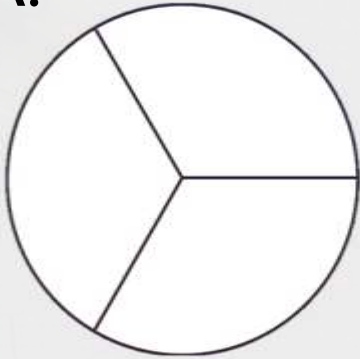
Sara is correct because 16cm split into 4 equal parts is 4cm.

Step 6: Recognise a Third

Varied Fluency 1

Circle the shapes that have been split into thirds.

A.



B.



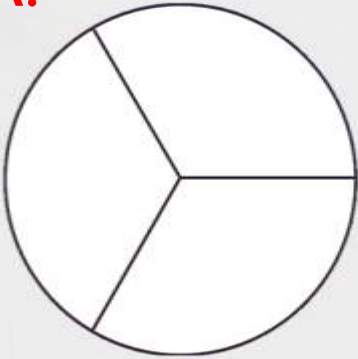
C.



Varied Fluency 1

Circle the shapes that have been split into thirds.

A.



B.

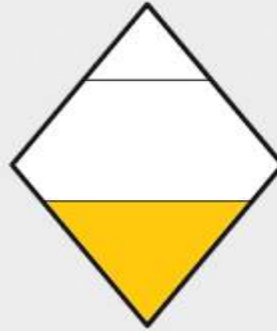
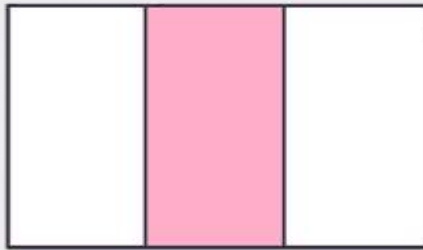


C.



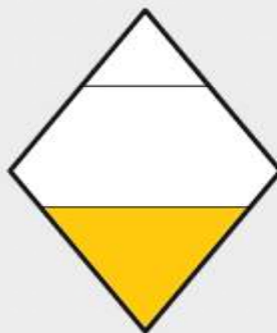
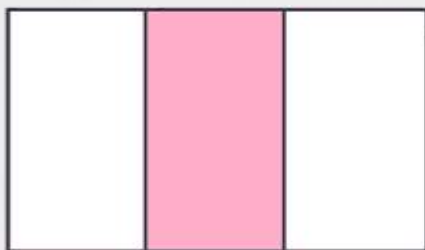
Varied Fluency 2

Tick the shapes that have one third shaded.



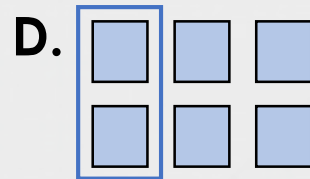
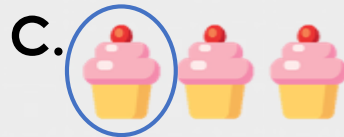
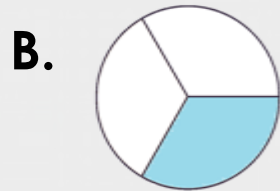
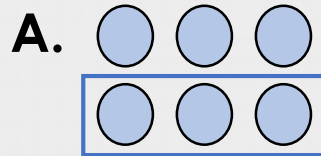
Varied Fluency 2

Tick the shapes that have one third shaded.



Varied Fluency 3

Match the images to the correct label.

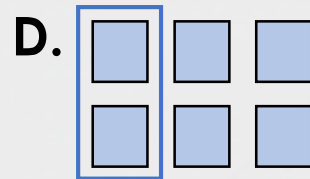
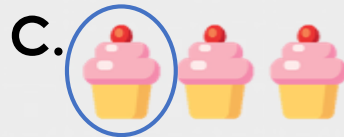
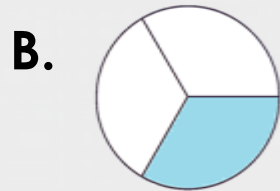
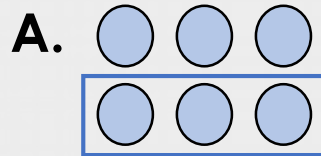


$$\frac{1}{3}$$

$$\text{not } \frac{1}{3}$$

Varied Fluency 3

Match the images to the correct label.

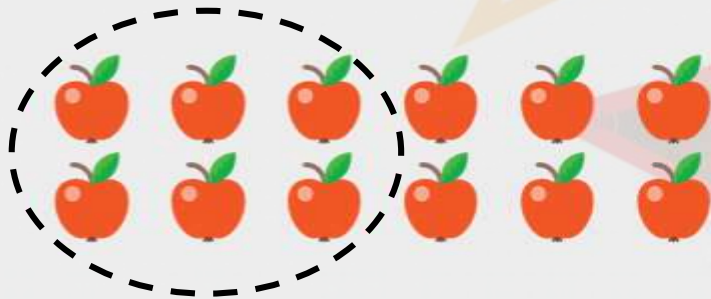
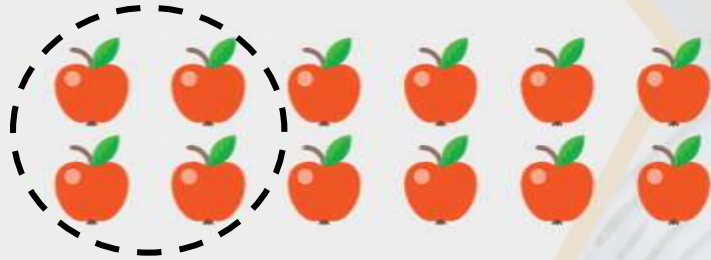


$$\frac{1}{3}$$

not $\frac{1}{3}$

Varied Fluency 4

Write the fraction one third and match it to the correct group.



Varied Fluency 4

Write the fraction one third and match it to the correct group.

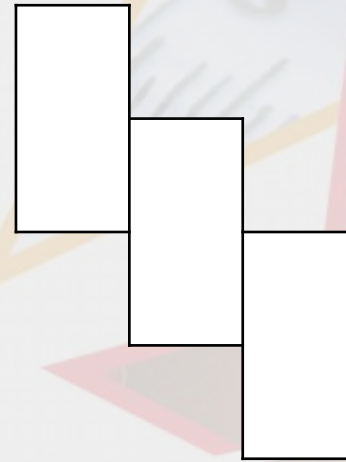
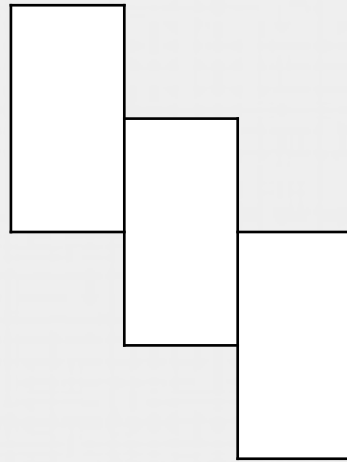
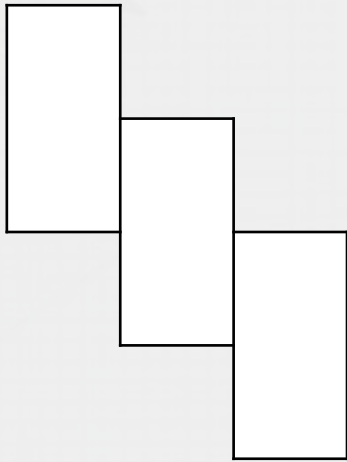
1

3

The image shows two groups of 12 apples each, arranged in two rows of six. The top group has 4 apples circled in a dashed line, representing $\frac{1}{3}$ of the group. The bottom group has 6 apples circled in a dashed line, representing $\frac{1}{2}$ of the group. A red line connects the number 1 in the top box to the circled group.

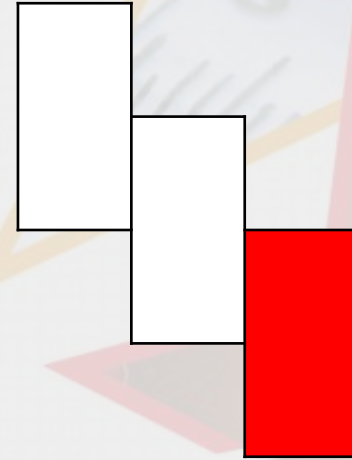
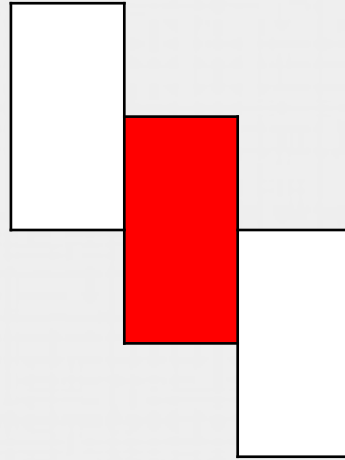
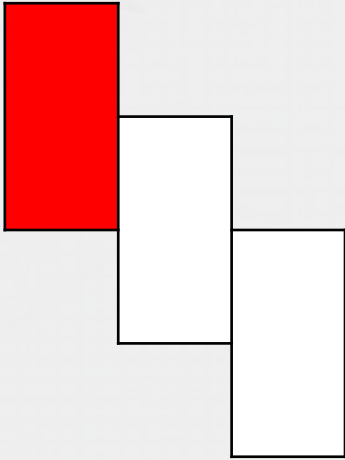
Problem Solving 1

Shade part of each shape to represent $\frac{1}{3}$. Find three different solutions.



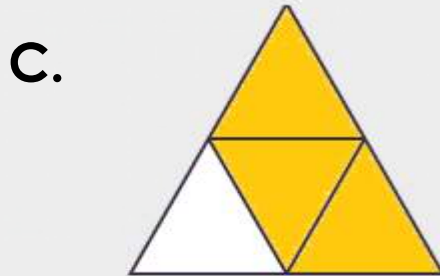
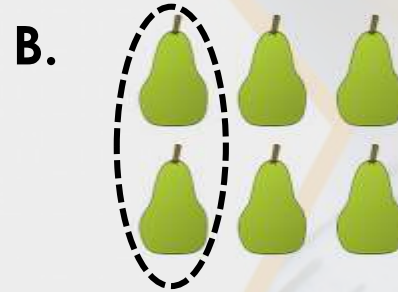
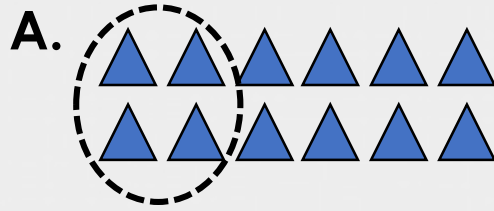
Problem Solving 1

Shade part of each shape to represent $\frac{1}{3}$. Find three different solutions.



Reasoning 1

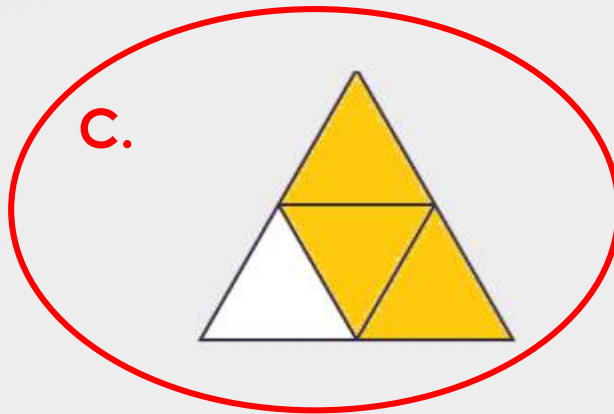
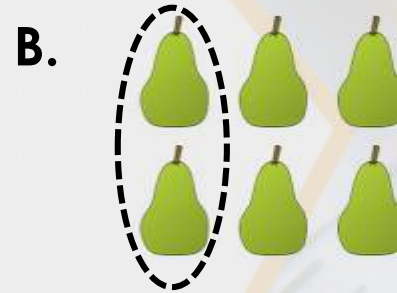
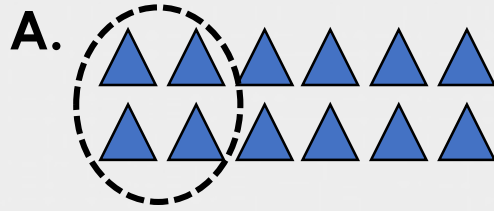
Which image is the odd one out?



Explain your answer.

Reasoning 1

Which image is the odd one out?



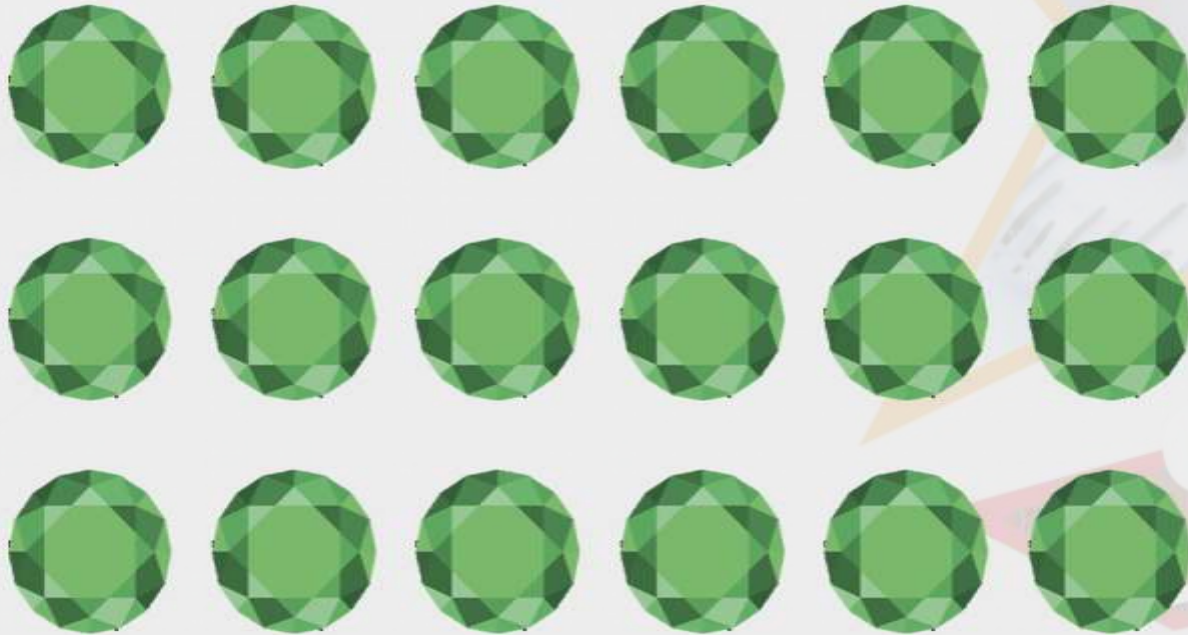
Explain your answer.

C is the odd one out because it is split into quarters.

Step 7: Find a Third

Varied Fluency 1

The whole number is 18. Find $\frac{1}{3}$ of 18 and complete the number sentence below.

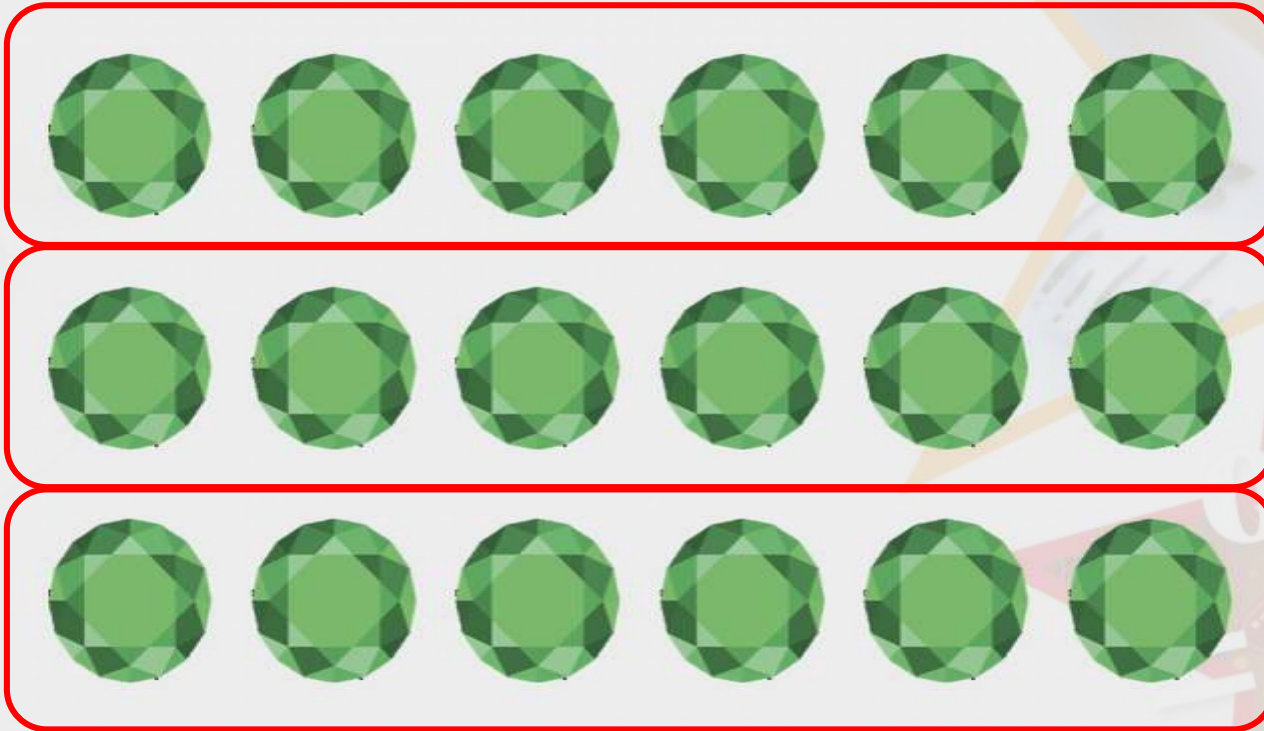


$$\frac{1}{3}$$

of 18 is

Varied Fluency 1

The whole number is 18. Find $\frac{1}{3}$ of 18 and complete the number sentence below.



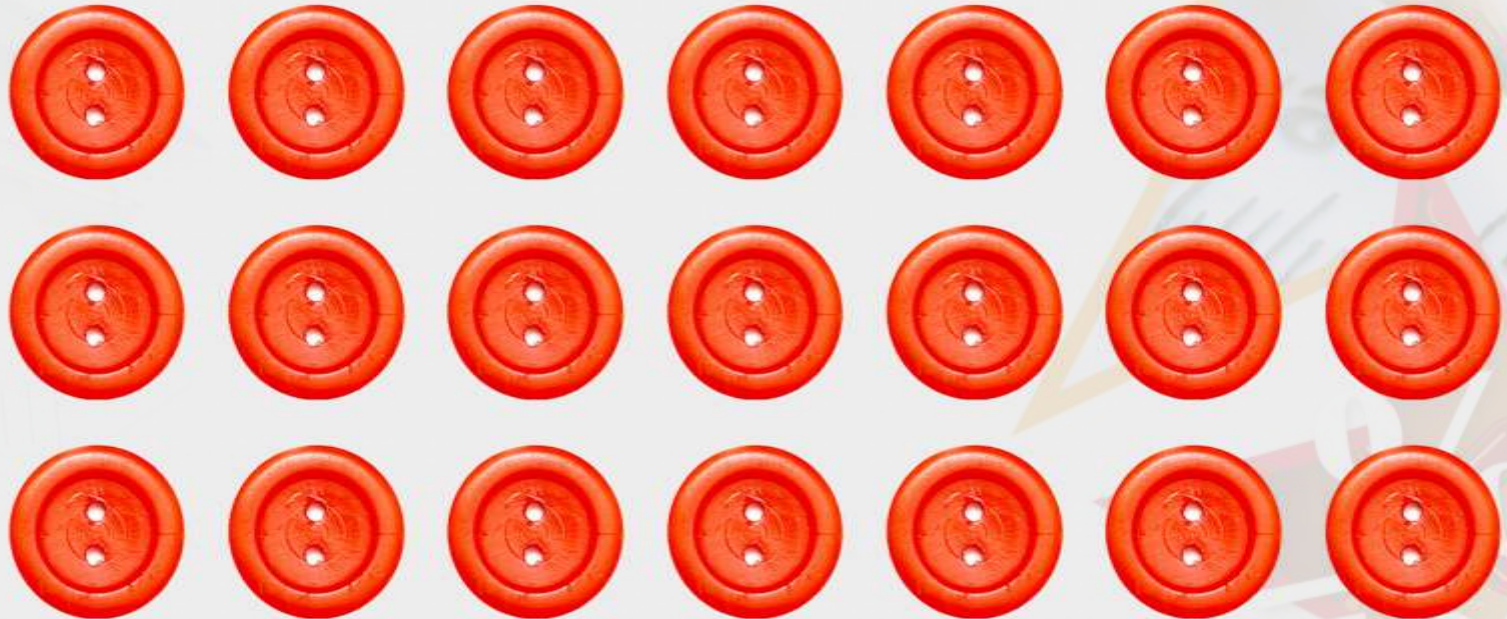
$$\frac{1}{3}$$

of 18 is

6

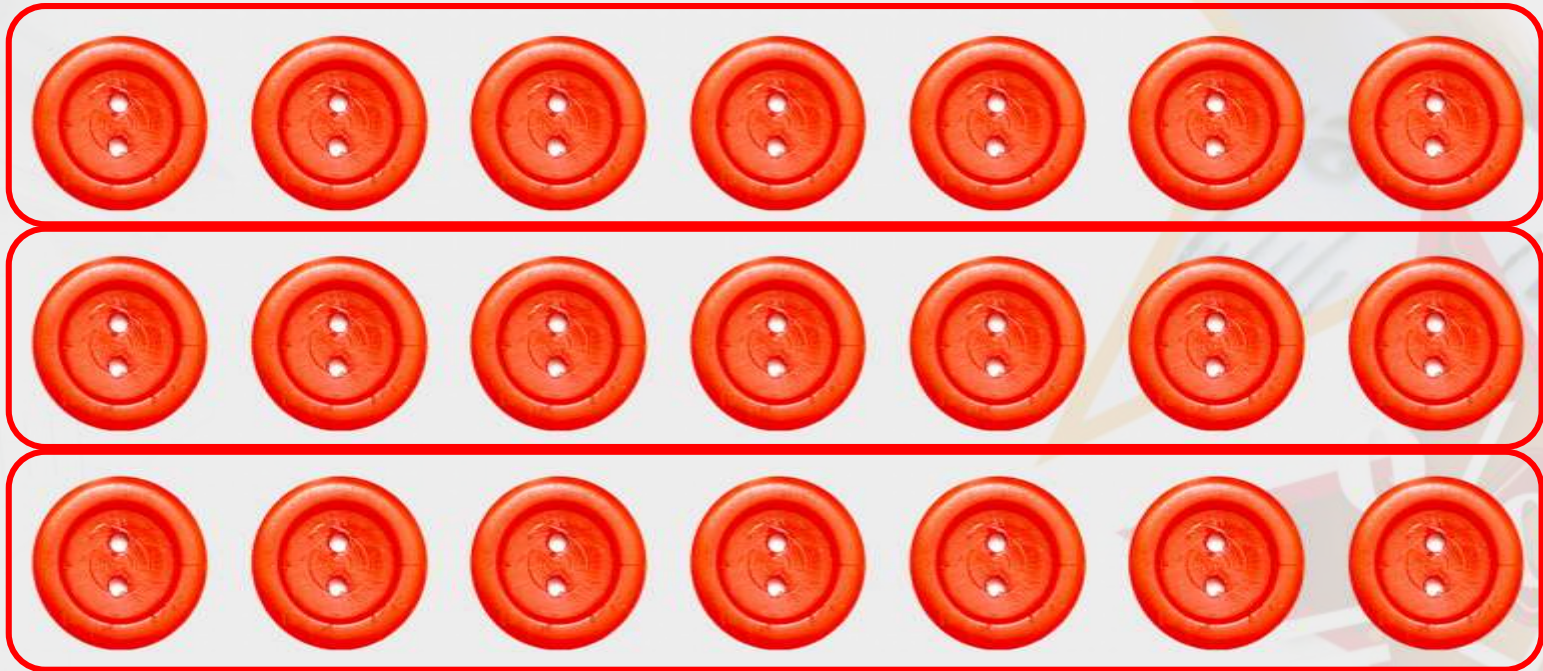
Varied Fluency 2

True or false? $\frac{1}{3}$ of 21 is 8.



Varied Fluency 2

True or false? $\frac{1}{3}$ of 21 is 8.



False, $\frac{1}{3}$ of 21 is 7.

Varied Fluency 3

Use the pictures to complete the statements.

A. $\frac{1}{3}$ of 9 is



B. $\frac{1}{3}$ of

is 2



C. $\frac{1}{3}$ of 12 is



Varied Fluency 3

Use the pictures to complete the statements.

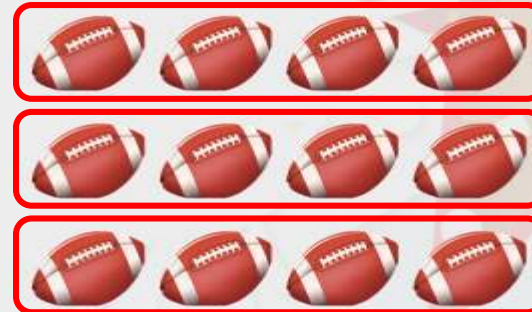
A. $\frac{1}{3}$ of 9 is



B. $\frac{1}{3}$ of is 2

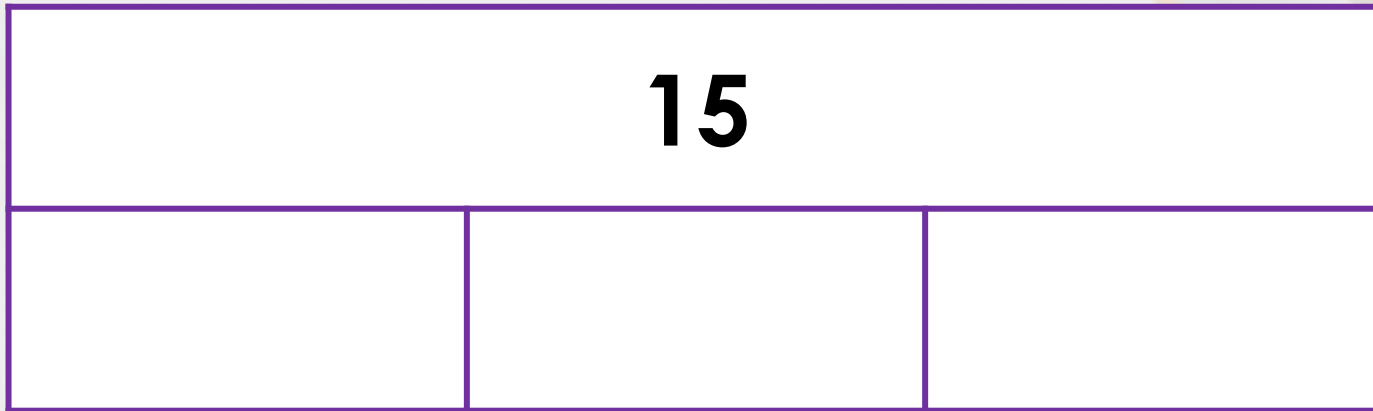


C. $\frac{1}{3}$ of 12 is



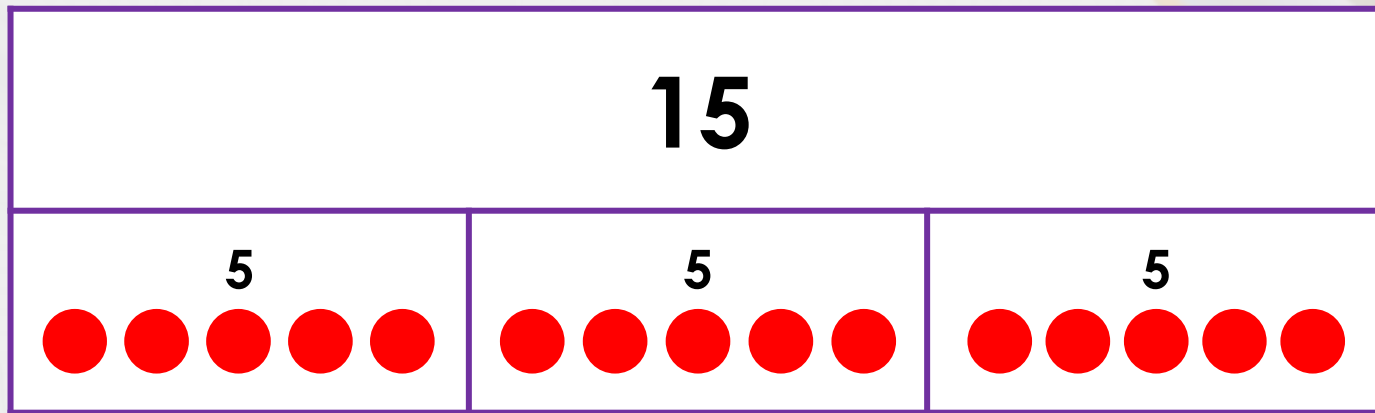
Varied Fluency 4

Use counters to complete this bar model to show one third of 15.



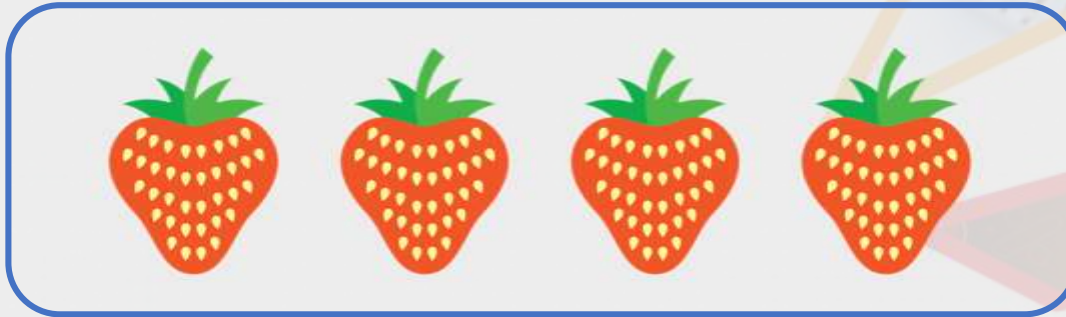
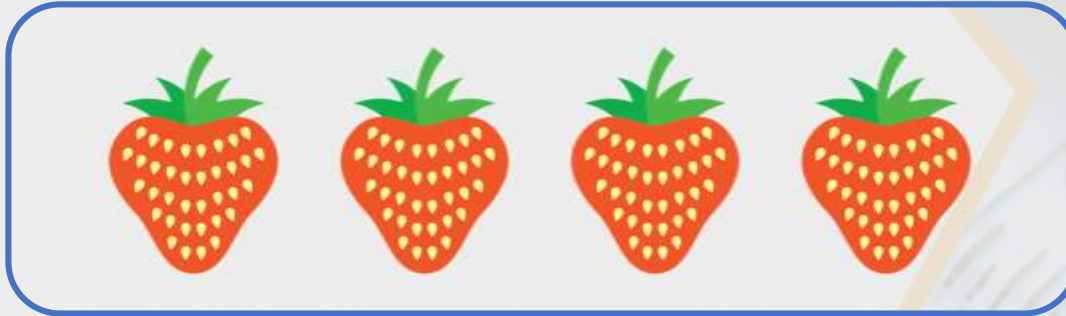
Varied Fluency 4

Use counters to complete this bar model to show one third of 15.



Problem Solving 1

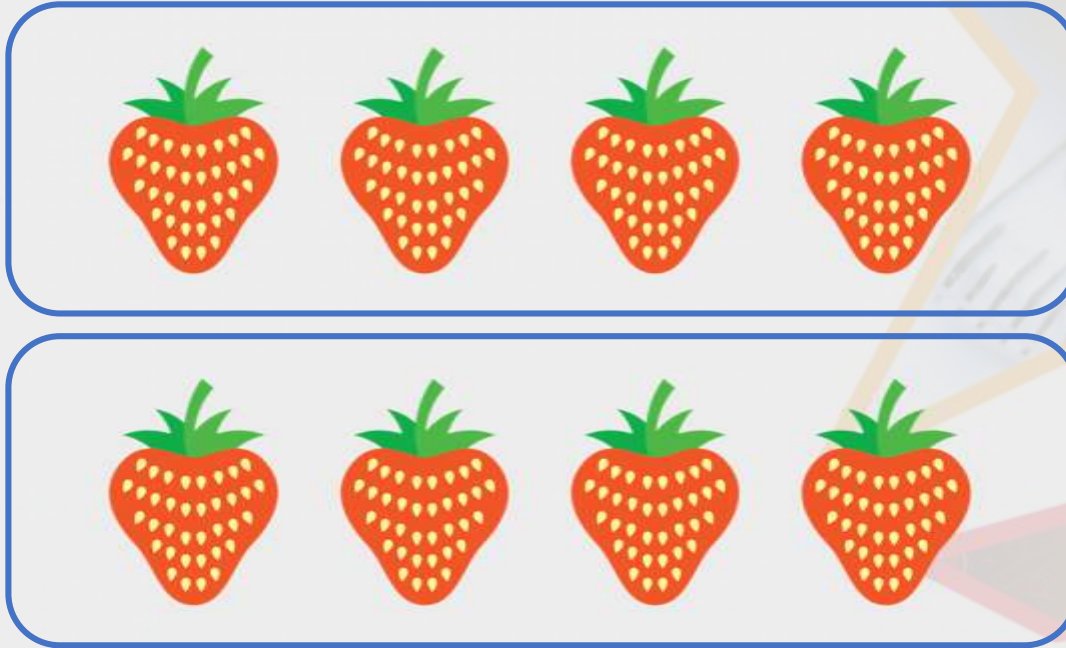
Hayden eats $\frac{1}{3}$ of his strawberries. There are 8 left in the bowl.



How many has he already eaten?

Problem Solving 1

Hayden eats $\frac{1}{3}$ of his strawberries. There are 8 left in the bowl.



How many has he already eaten?

$$\frac{1}{3} \text{ of } 12 \text{ is } 4. \quad 12 - 4 = 8$$

Hayden has eaten 4 strawberries.

Step 8: Unit Fractions

Varied Fluency 1

Use the picture to fill in the fraction.



$$\frac{1}{\square} \text{ of } 27 = 9$$

Varied Fluency 1

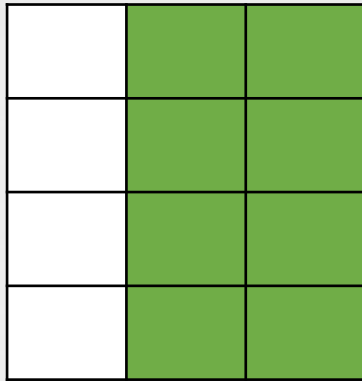
Use the picture to fill in the fraction.



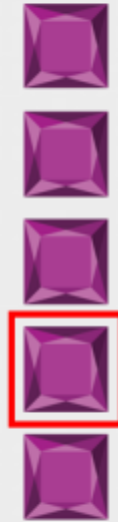
$$\frac{1}{\boxed{3}} \text{ of } 27 = 9$$

Varied Fluency 2

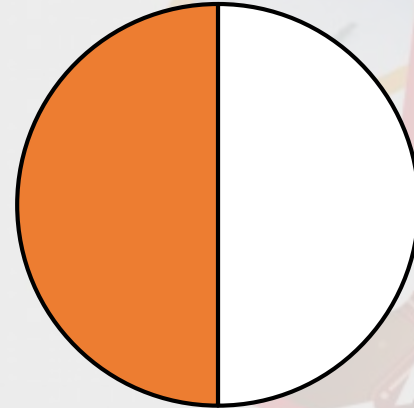
Which of the images represents $\frac{1}{2}$?



A



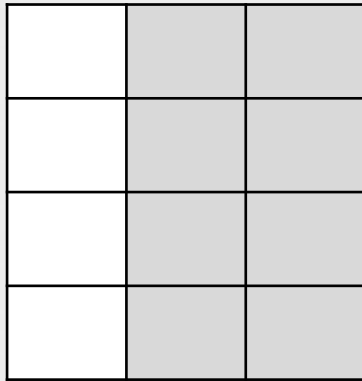
B



C

Varied Fluency 2

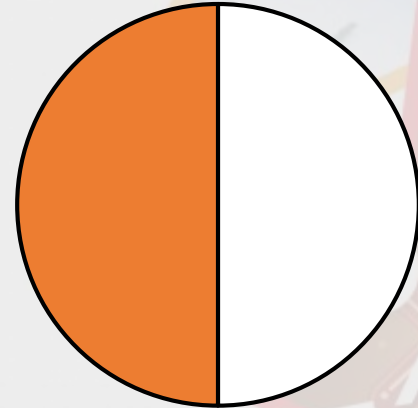
Which of the images represents $\frac{1}{2}$?



A



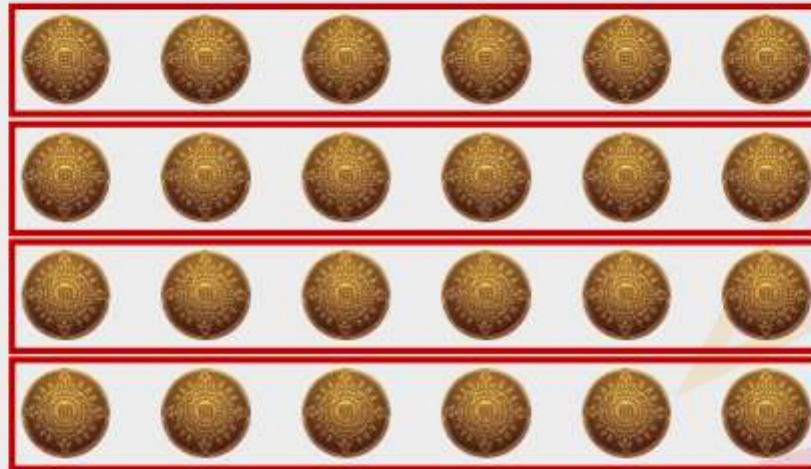
B



C

Varied Fluency 3

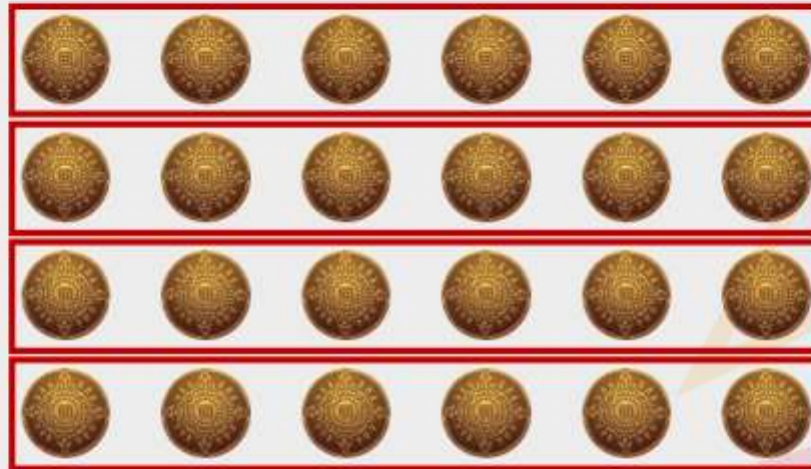
Use the picture to fill in the gaps.



$$\frac{1}{4} \text{ of } 24 = 24 \div \square = \square$$

Varied Fluency 3

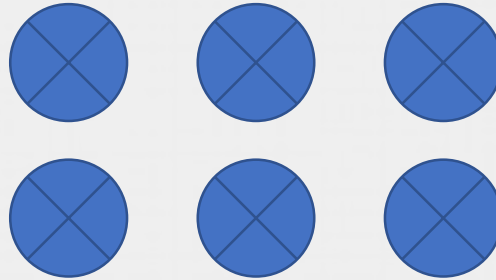
Use the picture to fill in the gaps.



$$\frac{1}{4} \text{ of } 24 = 24 \div \boxed{4} = \boxed{6}$$

Varied Fluency 4

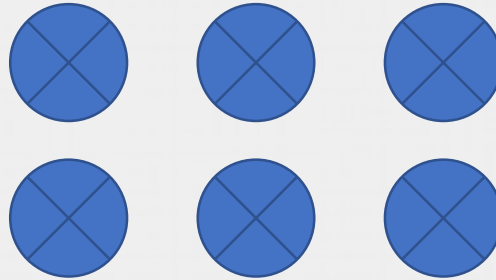
Use the picture to help you fill in the table.



	Number of groups	Number in each group
$\frac{1}{3}$ of 6		
$\frac{1}{2}$ of 6		

Varied Fluency 4

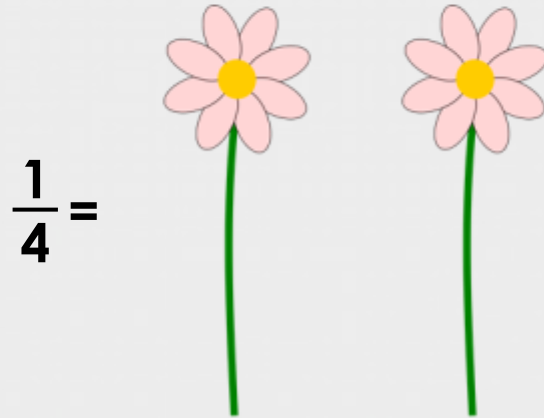
Use the picture to help you fill in the table.



	Number of groups	Number in each group
$\frac{1}{3}$ of 6	3	2
$\frac{1}{2}$ of 6	2	3

Problem Solving 1

Here is a fraction of a total:

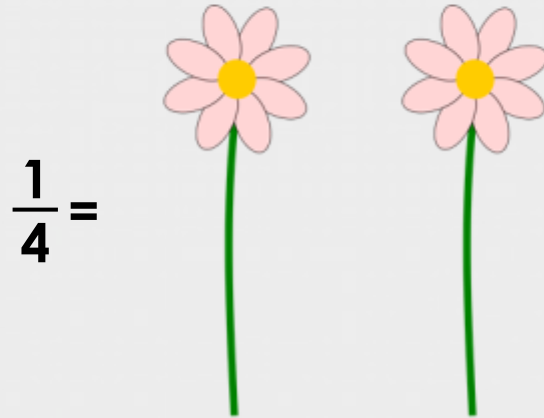


How many objects are there in $\frac{1}{2}$ of the total?

What is the total?

Problem Solving 1

Here is a fraction of a total:



How many objects are there in $\frac{1}{2}$ of the total? **4 objects**

What is the total? **8 objects**

Reasoning 1

Amelia is going to find one half of the objects below:



One half will be a smaller amount than one third of 15.

Is her idea true or false? Prove it.

Reasoning 1

Amelia is going to find one half of the objects below:



One half will be a smaller amount than one third of 15.

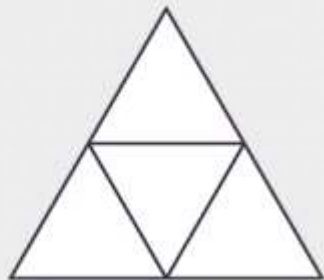
Is her idea true or false? Prove it.

False, because one third of 15 is 5 and half of the number of objects is 7. Seven is a bigger amount than 5.

Step 9: Non-Unit Fractions

Varied Fluency 1

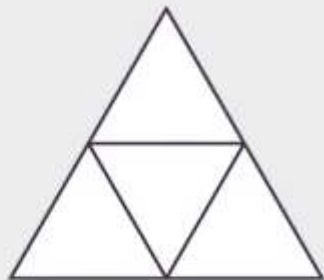
Shade the parts to represent each fraction.



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



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



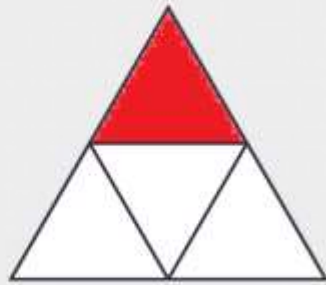
$$\frac{3}{4}$$



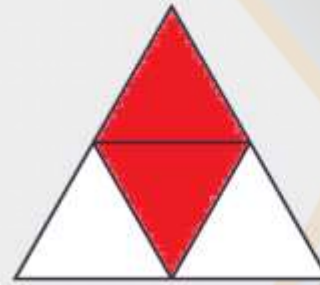
$$\frac{4}{4}$$

Varied Fluency 1

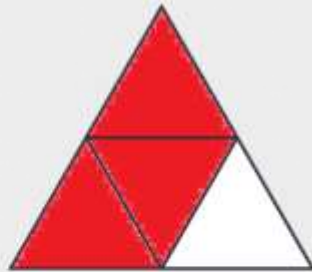
Shade the parts to represent each fraction.



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



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



$$\frac{3}{4}$$

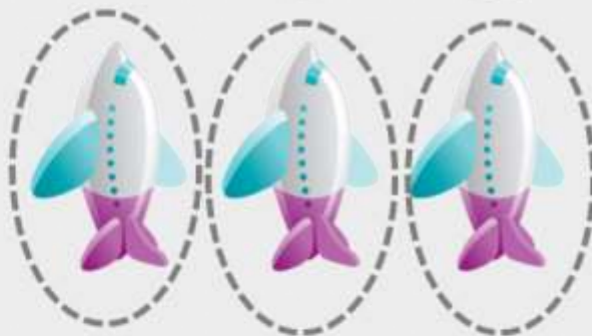
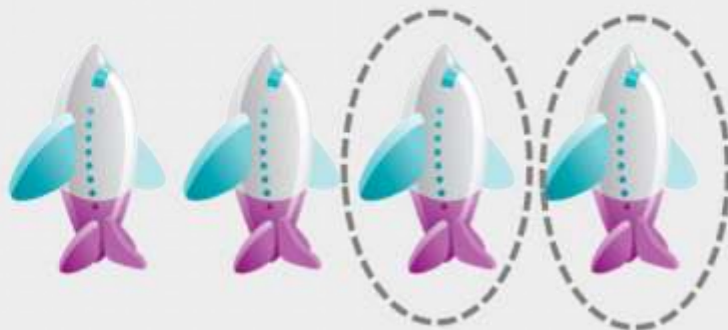


$$\frac{4}{4}$$

Any 1 part shaded, any 2 parts shaded, any 3 parts shaded and all 4 parts shaded.

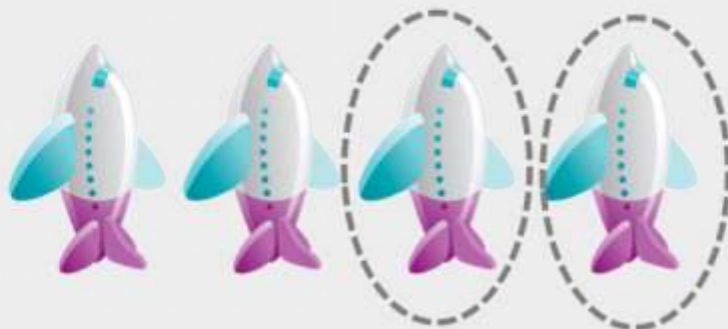
Varied Fluency 2

Label the fractions shown below.



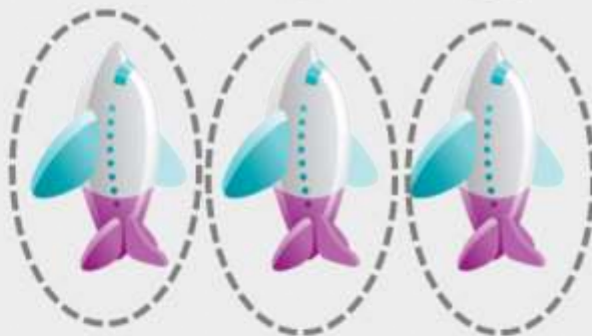
Varied Fluency 2

Label the fractions shown below.



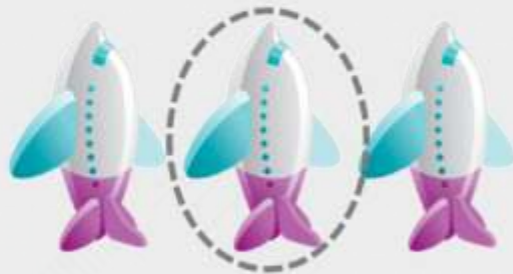
2

4



3

3



1

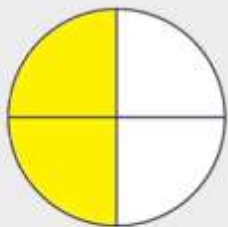
3

Varied Fluency 3

Sort the fractions using the table below.

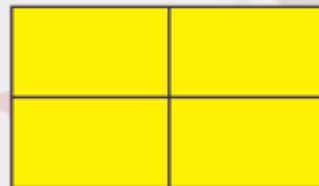
Non-Unit fractions	Unit fractions

A.

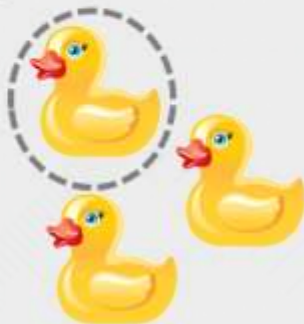


B. $\frac{3}{4}$

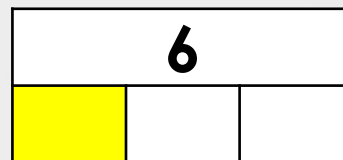
C.



D.



E.

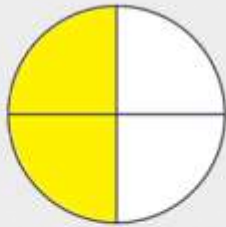


Varied Fluency 3

Sort the fractions using the table below.

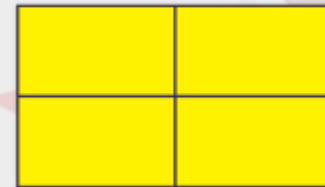
Non-Unit fractions	Unit fractions
A, B and C	D and E

A.



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

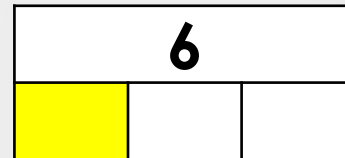
C.



D.

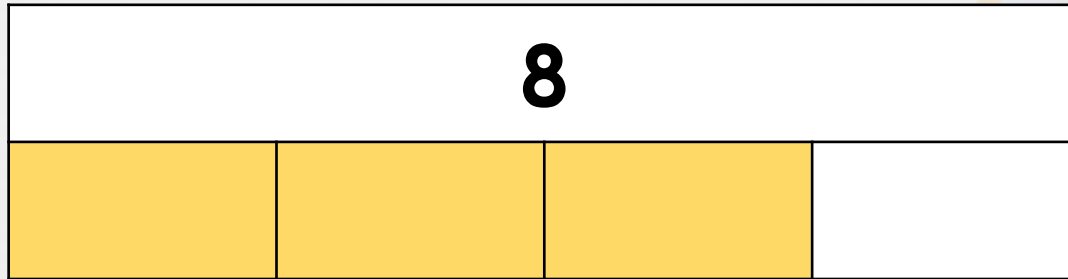


E.



Problem Solving 1

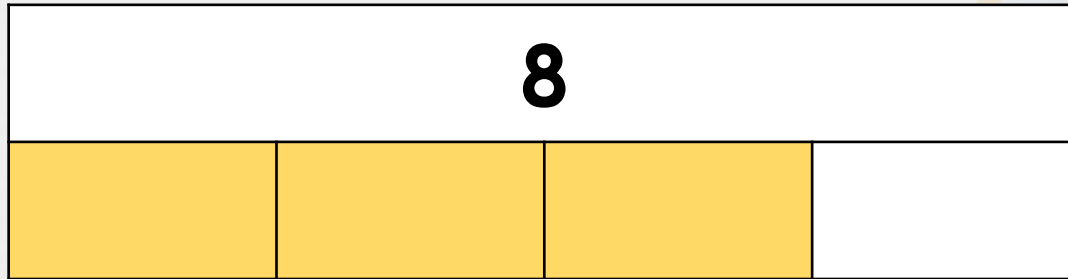
True or False? The following bar model has $\frac{3}{4}$ shaded.



Convince me.

Problem Solving 1

True or False? The following bar model has $\frac{3}{4}$ shaded.



Convince me.

True because three of the four parts are shaded.

Reasoning 1

Abel is talking with his friend. He says,



$\frac{4}{4}$ is a non-unit fraction.

Do you agree? Explain why or why not.

Reasoning 1

Abel is talking with his friend. He says,



$\frac{4}{4}$ is a non-unit fraction.

Do you agree? Explain why or why not.

Abel is correct because it is more than one part. It is a whole.

Step 10: Equivalence of Half and Two Quarters

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.

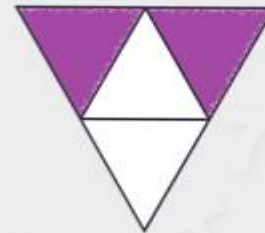
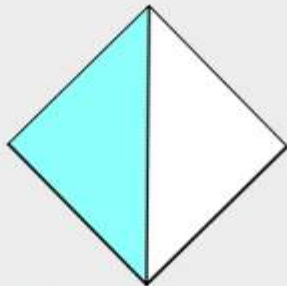
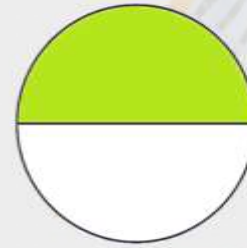
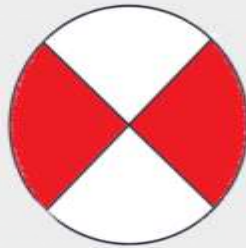
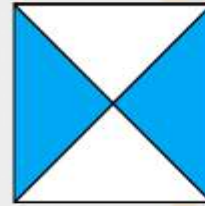
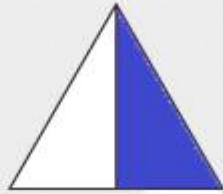


Circle $\frac{2}{4}$ of the ice-creams.



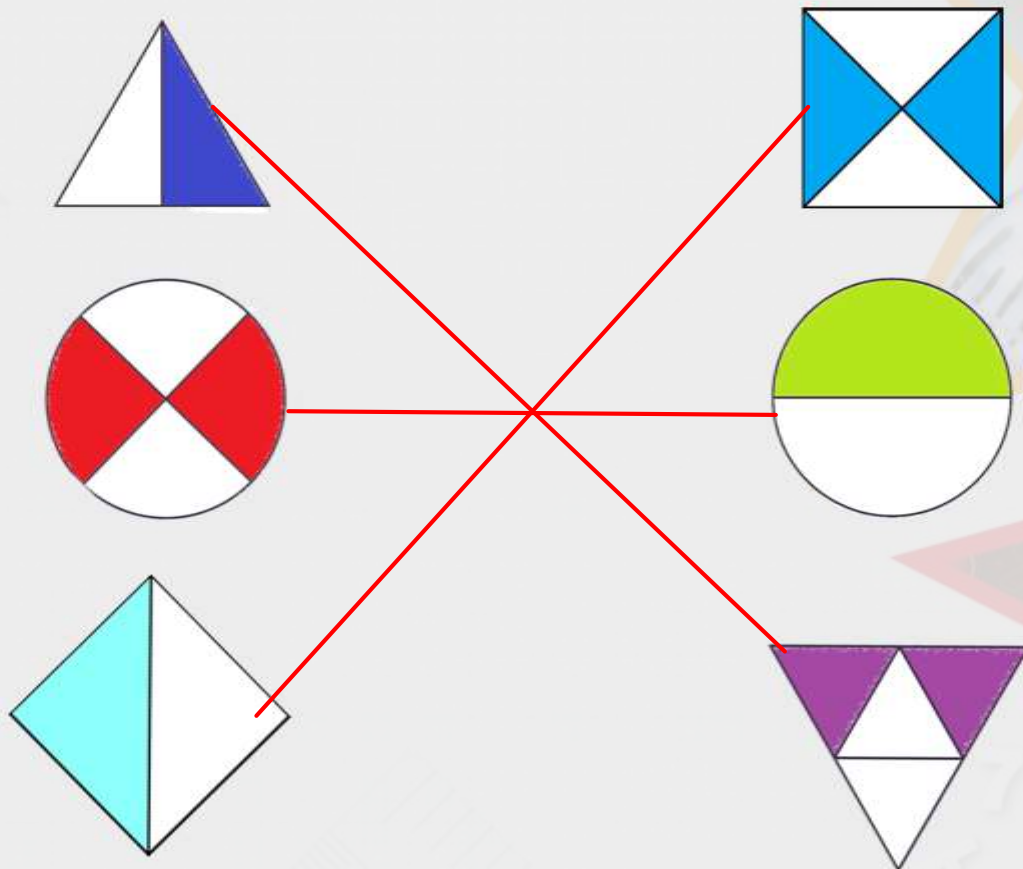
Varied Fluency 2

Match the shapes to their equivalent fraction.



Varied Fluency 2

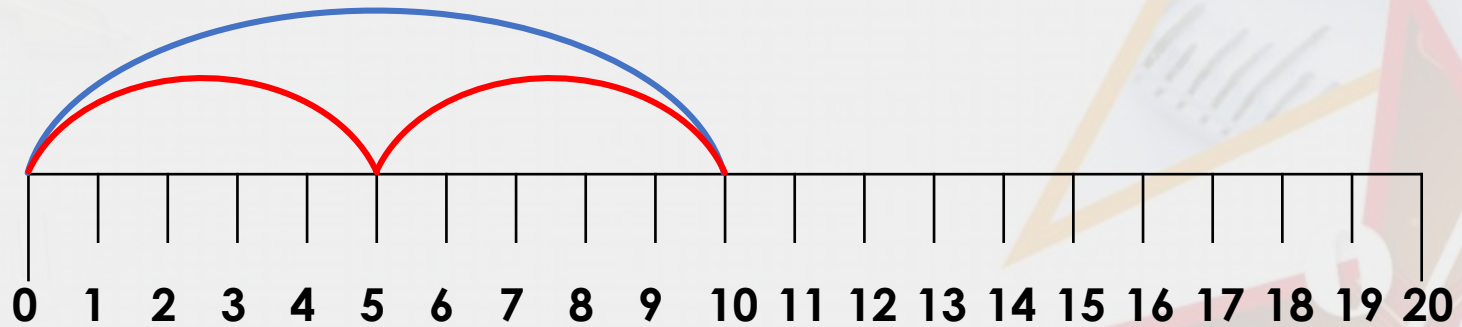
Match the shapes to their equivalent fraction.



Varied Fluency 3

True or false?

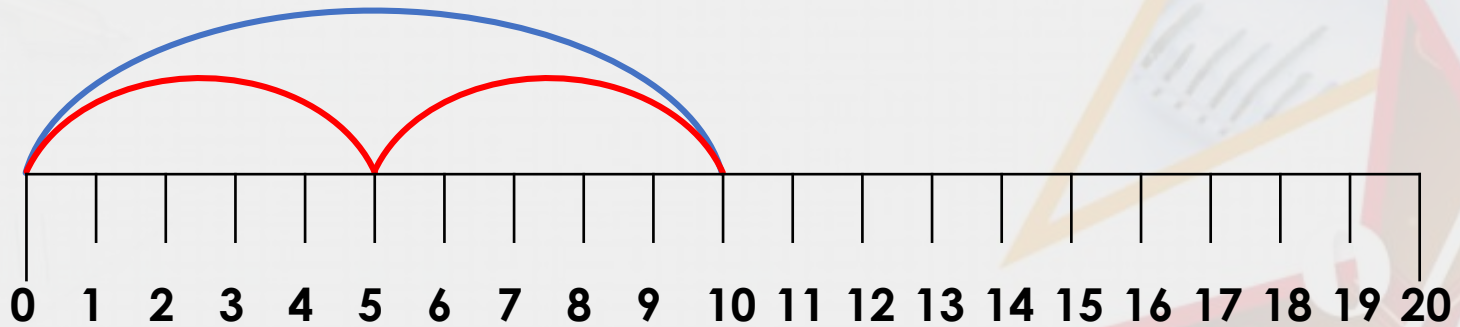
$\frac{1}{2}$ of 20cm is the same as $\frac{2}{4}$ of 20cm.



Varied Fluency 3

True or false?

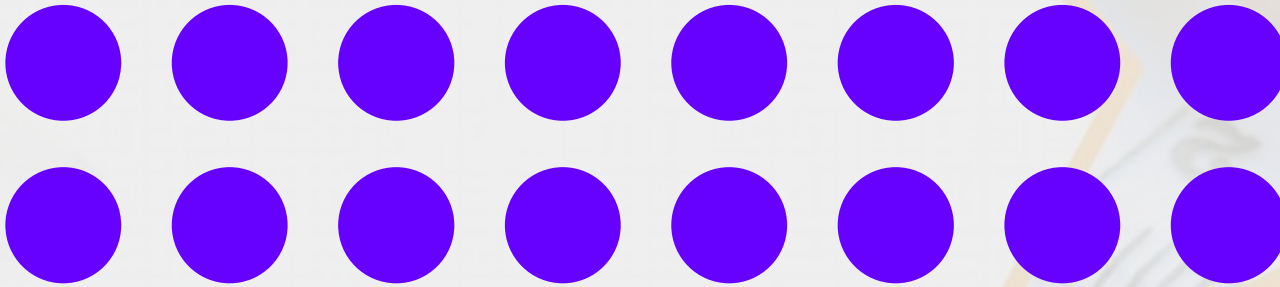
$\frac{1}{2}$ of 20cm is the same as $\frac{2}{4}$ of 20cm.



True

Varied Fluency 4

Use the counters to complete the statements.

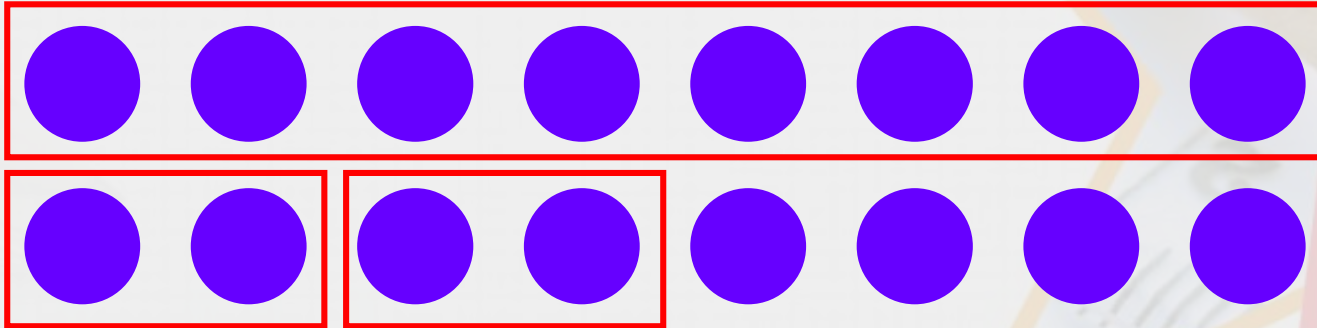


$\frac{1}{2}$ of 16 is

$\frac{2}{4}$ 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?

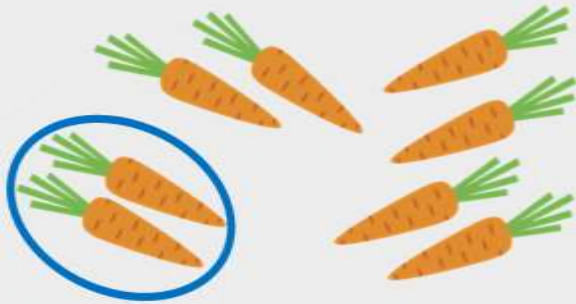
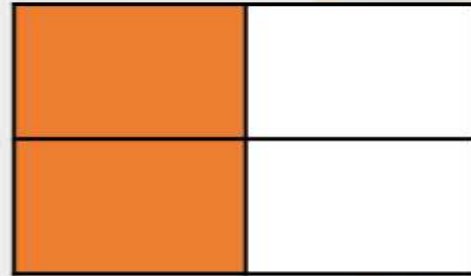
Jasper receives the most. He gets 6 marbles, Eli gets 5 marbles.



Reasoning 1

Find the odd one out.

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

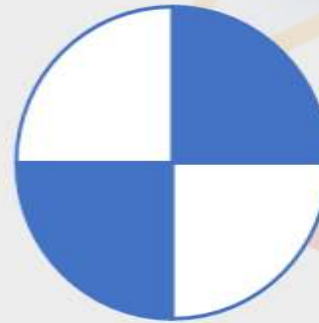
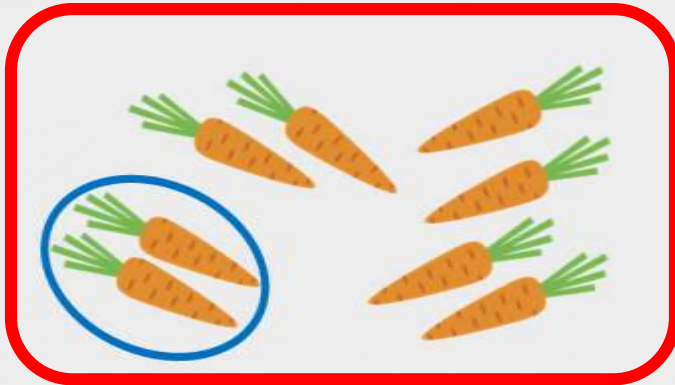
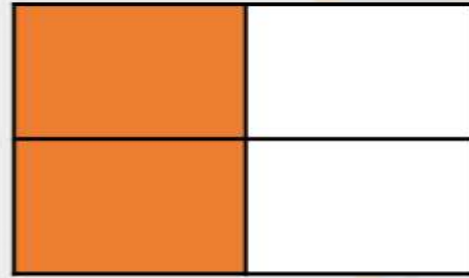


Explain your answer.

Reasoning 1

Find the odd one out.

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



Explain your answer.

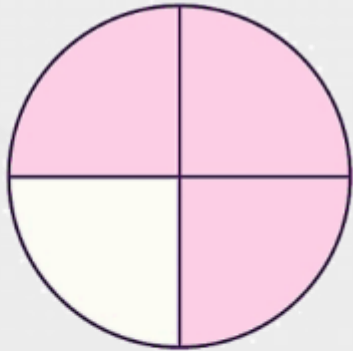
The carrots are the odd one out because it shows $\frac{1}{4}$. The rest are equivalent to $\frac{2}{4}$.

Step 11: Find Three Quarters

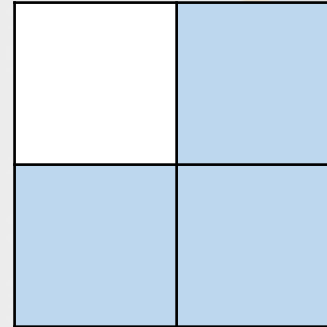
Varied Fluency 1

Circle the shapes which have three quarters shaded.

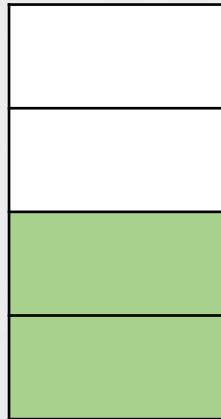
A



B

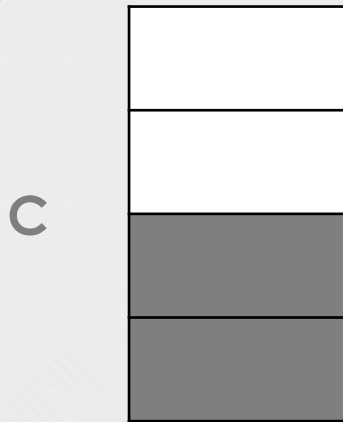
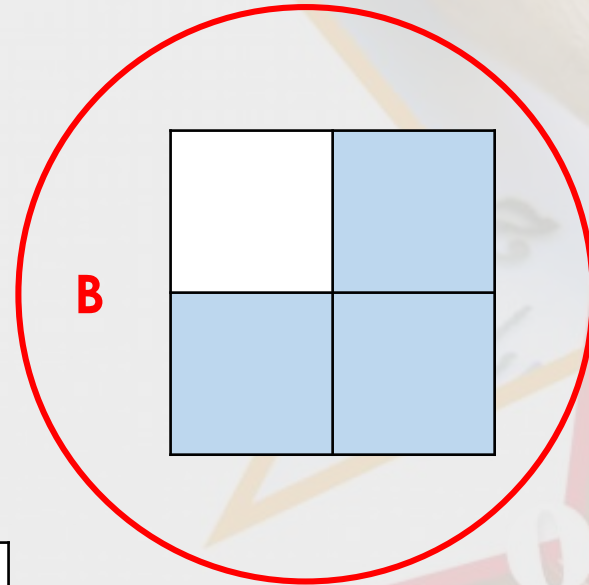
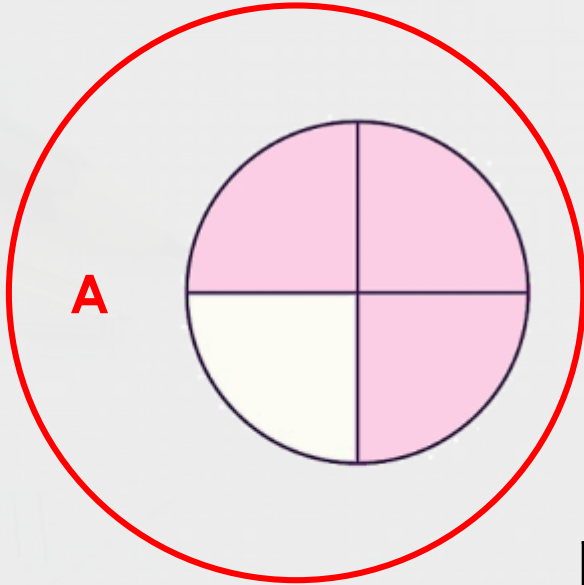


C



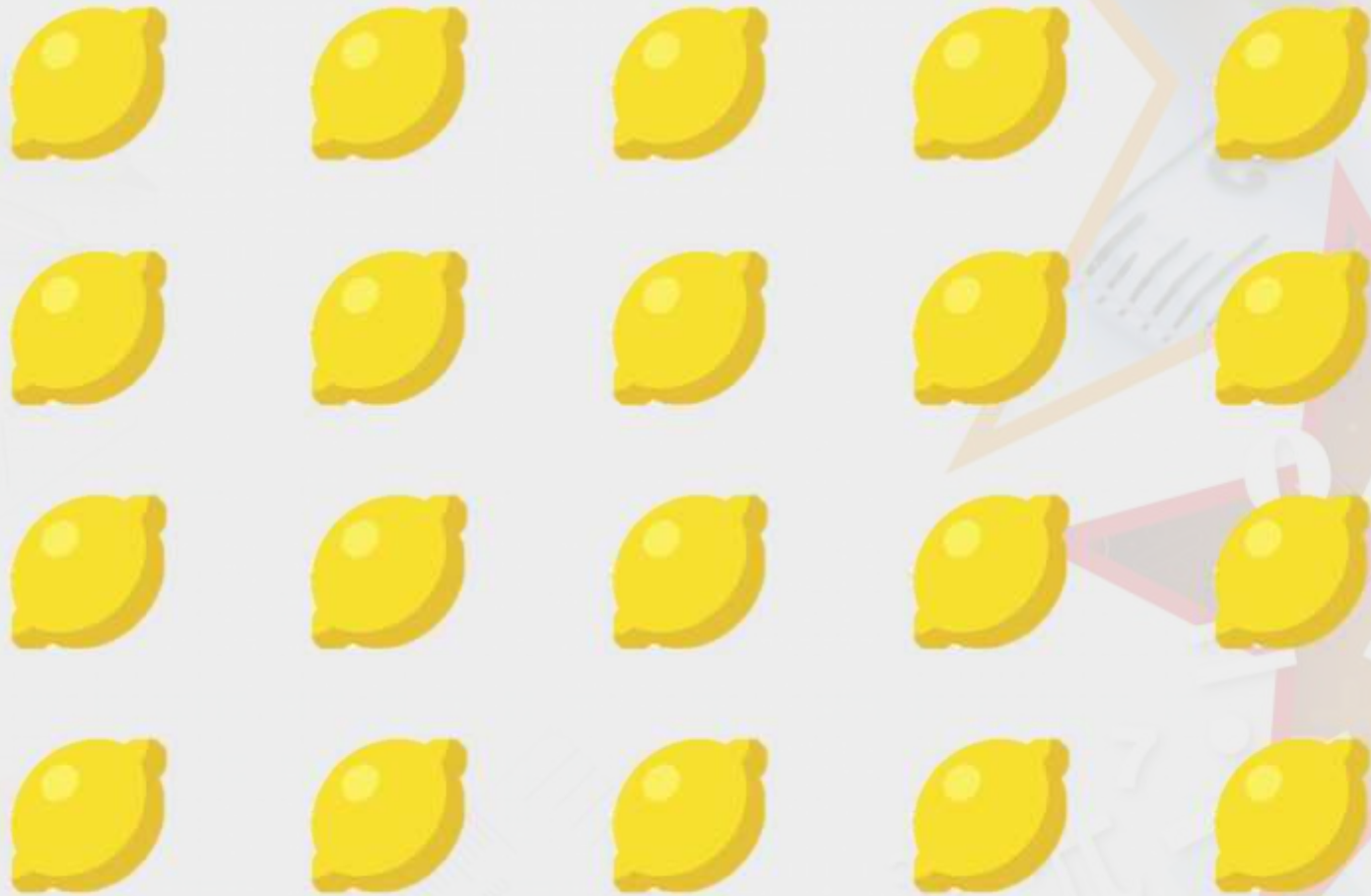
Varied Fluency 1

Circle the shapes which have three quarters shaded.



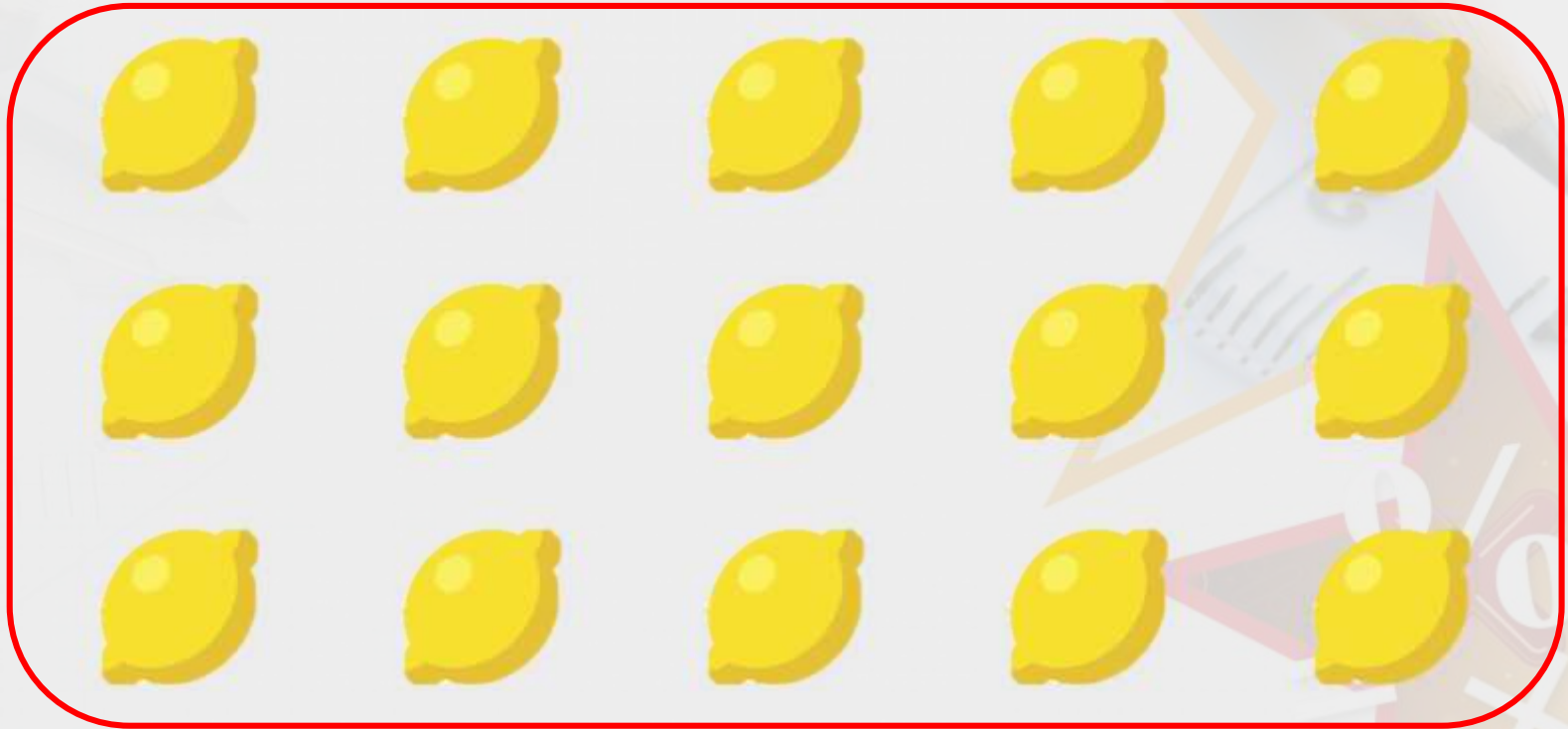
Varied Fluency 2

Circle three quarters of the lemons.



Varied Fluency 2

Circle three quarters of the lemons.



Varied Fluency 3

Tick the statement which is correct.

A. $\frac{3}{4}$ of 24 is 16.

B. $\frac{3}{4}$ of 24 is 18.

Varied Fluency 3

Tick the statement which is correct.

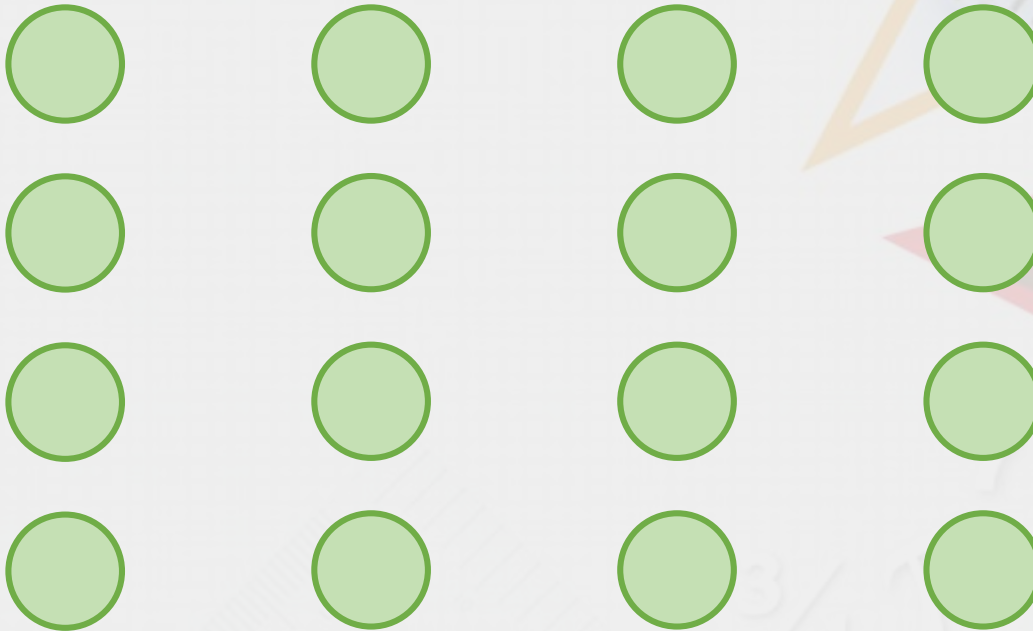
A. $\frac{3}{4}$ of 24 is 16.

B. $\frac{3}{4}$ of 24 is 18.

Varied Fluency 4

Complete the statement below.

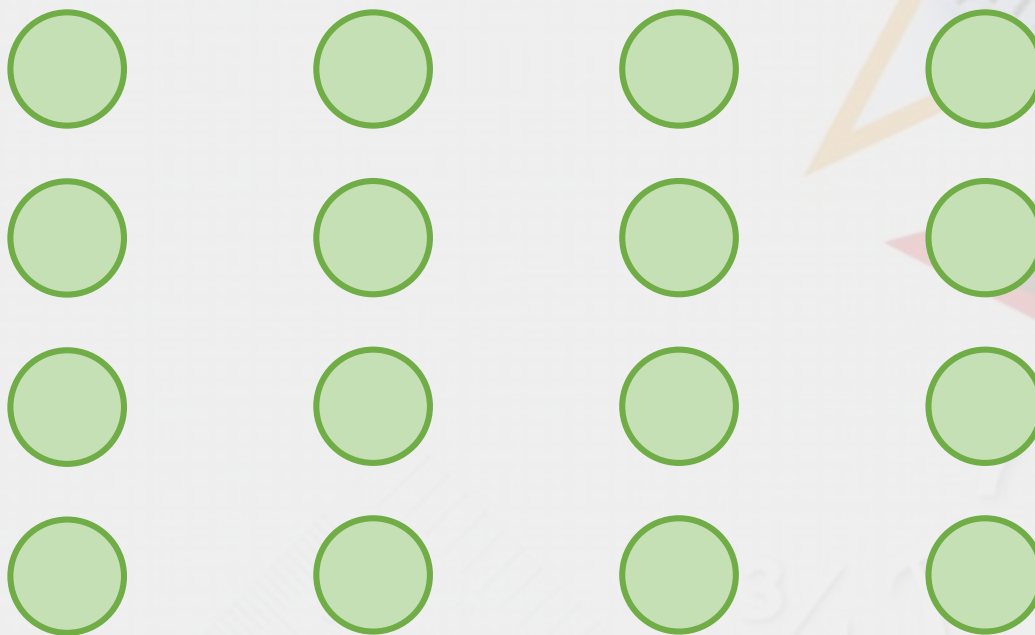
$\frac{3}{4}$ of 16 is



Varied Fluency 4

Complete the statement below.

$$\frac{3}{4} \text{ of } 16 \text{ is } \boxed{12}$$



Problem Solving 1

Complete the statement using the number cards below.

15

10

20

$$\frac{3}{4} \text{ of } \square = \square$$

Problem Solving 1

Complete the statement using the number cards below.

15

10

20

$$\frac{3}{4} \text{ of } 20 = 15$$

Reasoning 1

I see some birds.

$\frac{3}{4}$ of them are shown below.



Lily says,



15 birds were seen altogether.

Is she correct? Prove it.

Reasoning 1

I see some birds.

$\frac{3}{4}$ of them are shown below.



Lily says,



15 birds were seen altogether.

Is she correct? Prove it.

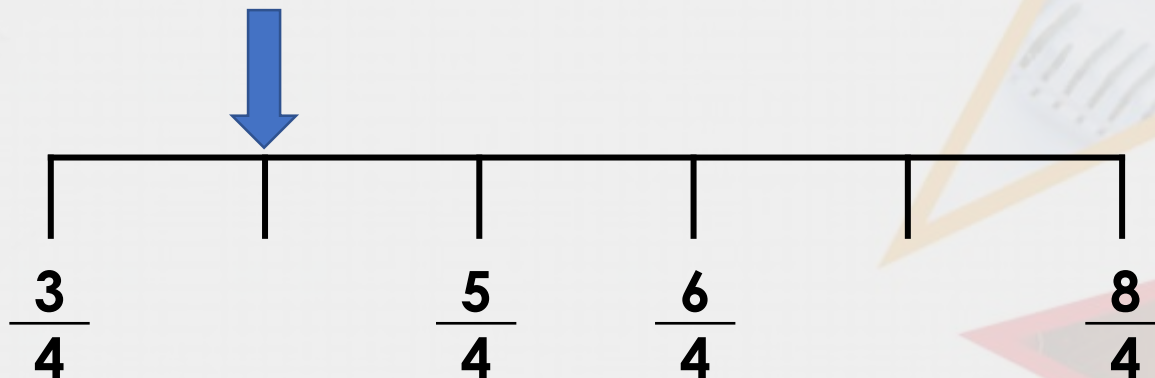
Lily is not correct because $12 \div 3 = 4$ and $4 \times 4 = 16$ so 16 birds were seen altogether.

Step 12: Count in Fractions

Varied Fluency 1

True or false?

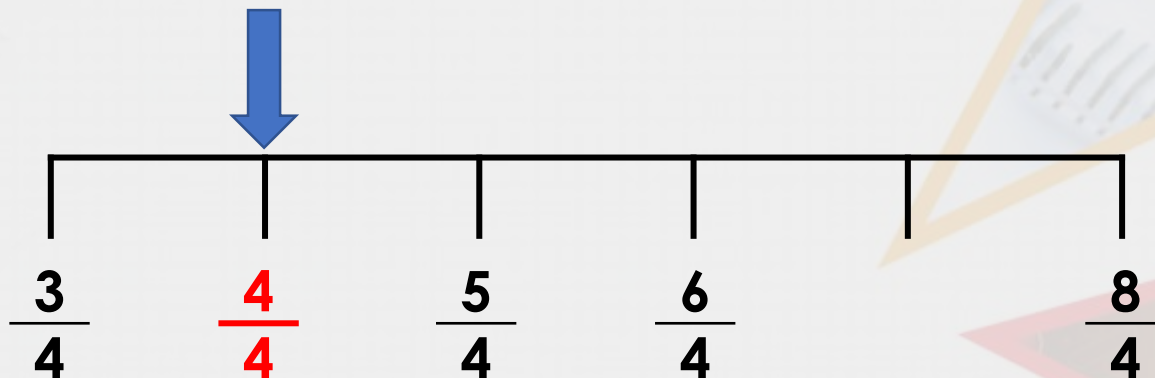
The fraction indicated by the arrow will be $\frac{3}{4}$.



Varied Fluency 1

True or false?

The fraction indicated by the arrow will be $\frac{3}{4}$.



False; it will be $\frac{4}{4}$.

Varied Fluency 2

Circle the image that will come next in the sequence.

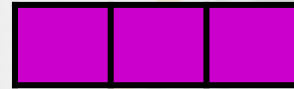
1.



2.



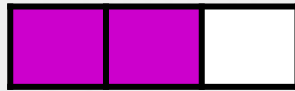
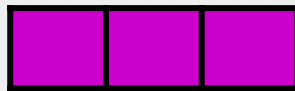
3.



A.



B.



C.



Varied Fluency 2

Circle the image that will come next in the sequence.

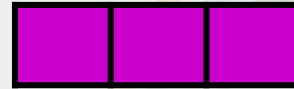
1.



2.



3.



A.



B.

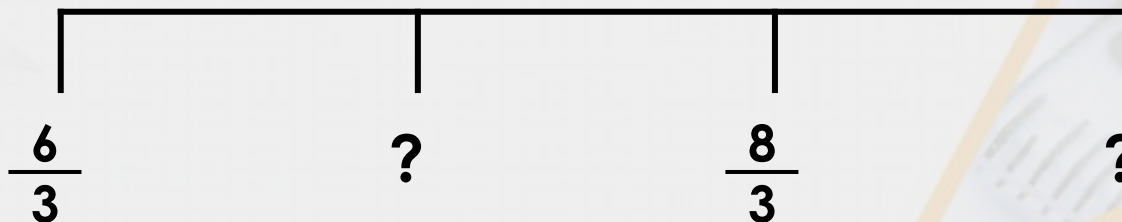


C.



Varied Fluency 3

Which fractions complete the sequence?



A

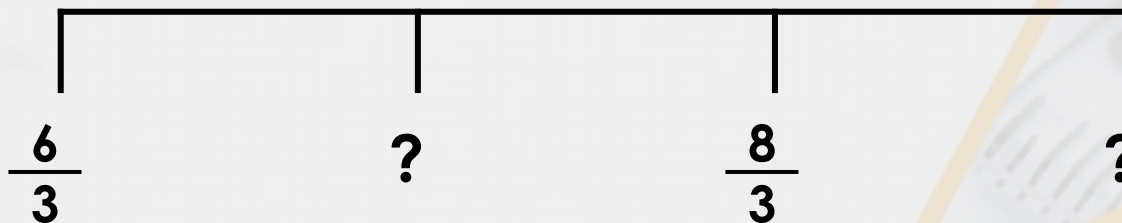
Seven thirds and ten thirds

B

Seven thirds and nine thirds

Varied Fluency 3

Which fractions complete the sequence?



A

Seven thirds and ten thirds

B

Seven thirds and nine thirds

Varied Fluency 4

What is happening in this sequence?

$$\frac{2}{3}$$

$$\frac{3}{3}$$

$$\frac{4}{3}$$

Varied Fluency 4

What is happening in this sequence?

$$\frac{2}{3}$$

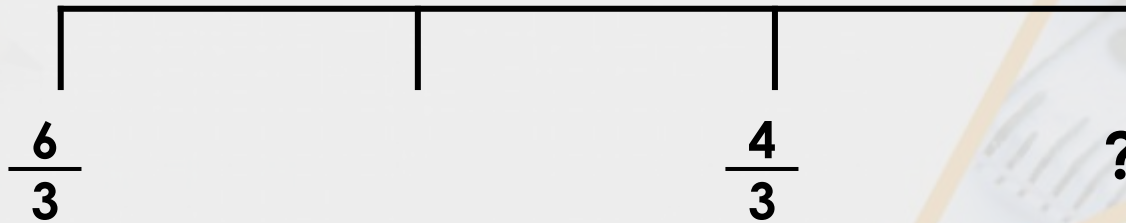
$$\frac{3}{3}$$

$$\frac{4}{3}$$

Increasing by a third each time.

Reasoning 1

Iona is trying to complete the number line.

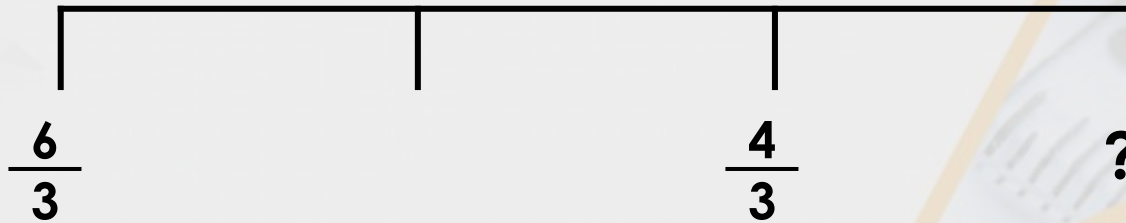


I think the missing fraction is $\frac{2}{3}$.

Is she correct? Prove it.

Reasoning 1

Iona is trying to complete the number line.



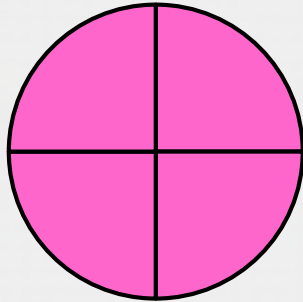
I think the missing fraction is $\frac{2}{3}$.

Is she correct? Prove it.

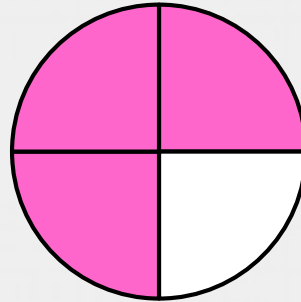
She is incorrect because she is counting backwards one third at a time. The correct answer is $\frac{3}{3}$.

Problem Solving 1

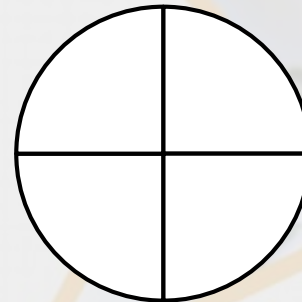
Finish the sequence by shading the image and completing the missing fractions.



$$\frac{4}{\quad}$$



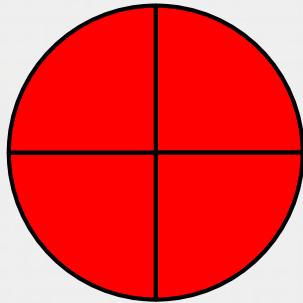
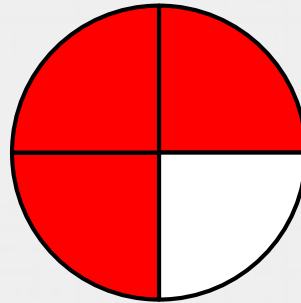
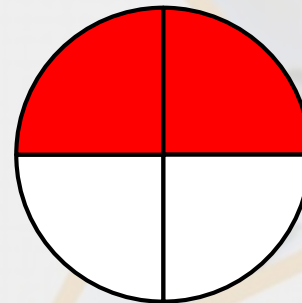
$$\frac{3}{4}$$



$$\frac{\quad}{\quad}$$

Problem Solving 1

Finish the sequence by shading the image and completing the missing fractions.


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

$$\frac{3}{4}$$
$$\frac{4}{4}$$

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