

# Maths Home Learning - White Rose

## Week 7

There will be 5 Maths lessons.

This PowerPoint contains an overview of the week, links to the WhiteRose Hub website for video lessons, the answers from the work sheets and a description of different ways to upload your work.

There will also be extra challenges for each day.

# Maths Home Learning Tip!

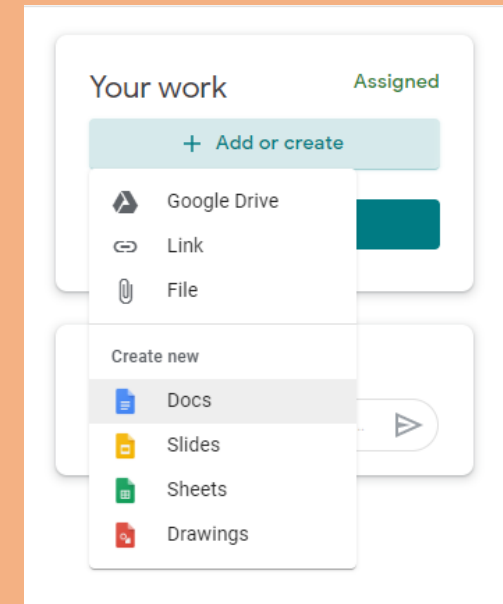
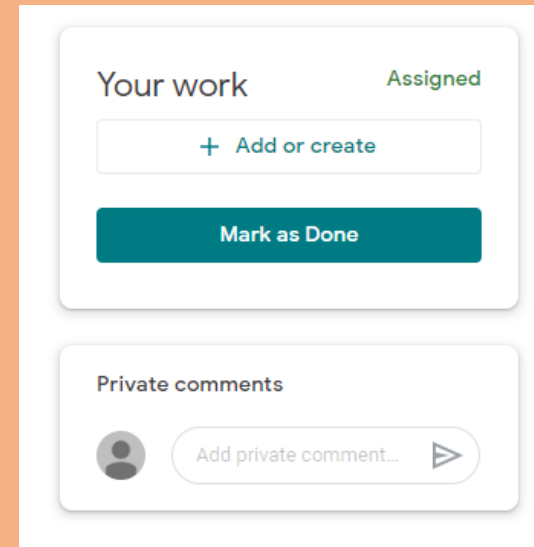
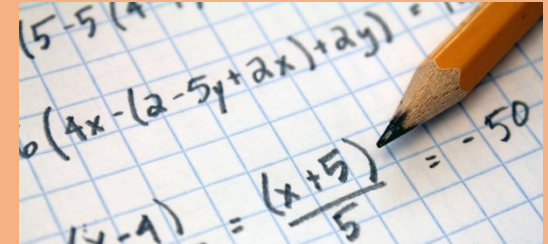
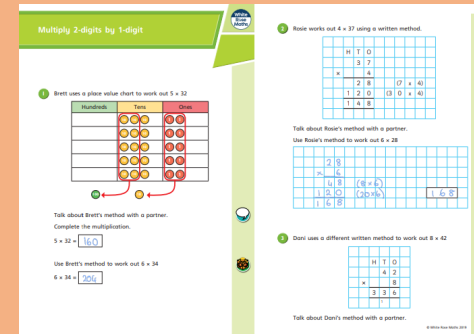
If the links don't work when you click on them in the PowerPoint, copy and paste the link into your browser.

# Week 7 Overview

Monday -	Tenths and Hundredths
Tuesday -	Equivalent Fractions 1
Wednesday -	Equivalent Fractions 2
Thursday -	Fractions greater than 1
Friday -	Friday Challenge

# Ways to complete the activities

1. You can print the activity sheet, complete the work, take a photo and upload it under the Maths assignment.
2. You can leave the activity sheet on a screen, write your answers on a piece of paper, take a photo and upload it under the Maths assignment.
3. You can create a **Google Doc**, type your answers into it and submit the **Google Doc** under the Maths assignment.



## Monday - Tenths and Hundredths

<https://whiterosemaths.com/homelearning/year-4/>

Click the link, watch the video of the day and complete sheet 1 and sheet 2.

(You can then complete the Amir and Dora challenge if you want to do more maths.)

Remember to self mark or ask a sibling or parent to mark it.

The video should be under Summer Term - Week 5 (w/c 18<sup>th</sup> May)

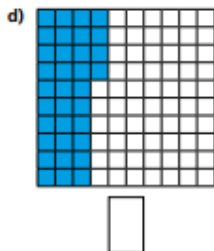
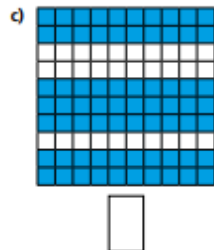
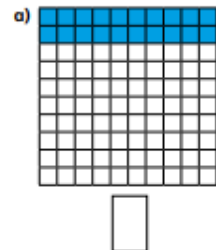
# Monday -sheet 1

## Recognise tenths and hundredths

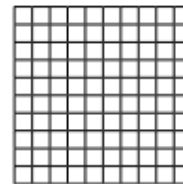


- 1 The hundred square represents 1 whole.

What fraction of each hundred square is shaded?



- 2 Here is a hundred square.



What fraction of the whole does each represent?

a) 4 full rows =

b) 6 full columns =

c) 13 squares =

d) 2 full rows and 5 squares =

e) 3 full columns and 8 squares =

- 3 Complete the sentences.

a) 4 tenths is equivalent to  hundredths.

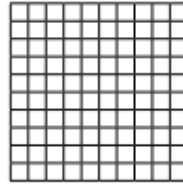
b) 70 hundredths is equivalent to  tenths.

c) 5 tenths is equivalent to  hundredths or 1 \_\_\_\_\_

# Monday -sheet 2

4

One row is one tenth and one column is one tenth, so if I colour one row and one column on my hundred square I will have shown 2 tenths.



Is Dexter correct? \_\_\_\_\_

Explain your answer.

You may use the hundred square to help you.

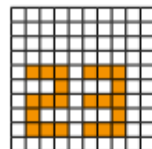
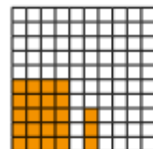
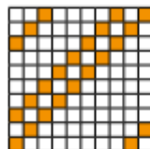
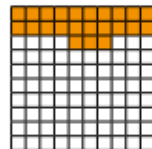
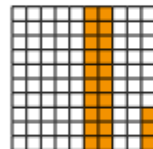
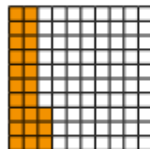
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5

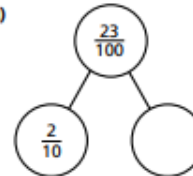
Tick the hundred squares with  $\frac{23}{100}$  shaded.



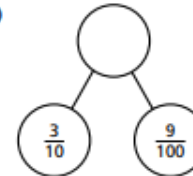
6

Complete the part-whole models.

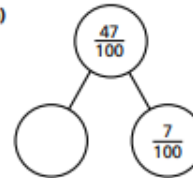
a)



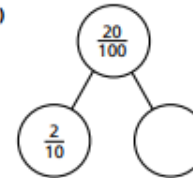
c)



b)



d)



7



$$\frac{73}{100} = \frac{7}{10} + \frac{3}{100}$$

Annie



$$\frac{73}{100} = \frac{6}{10} + \frac{13}{100}$$

Ron

Who is correct? \_\_\_\_\_

How many ways can you partition  $\frac{73}{100}$ ?

# Monday Challenge

Who is correct?

5 hundredths is equivalent to 50 tenths.

Dora



Amir

50 hundredths is equivalent to 5 tenths.

Explain why.



# Monday Challenge Answer

Who is correct?

5 hundredths is equivalent to 50 tenths.

Dora



50 hundredths is equivalent to 5 tenths.



Amir

Explain why.

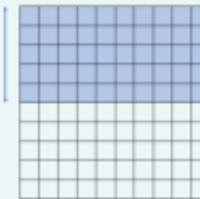
Amir is correct.

$\frac{50}{100}$  is equivalent to  $\frac{5}{10}$

This can be demonstrated with Base 10 or a hundred square.

50 squares is  $\frac{50}{100}$

5 rows is  $\frac{5}{10}$



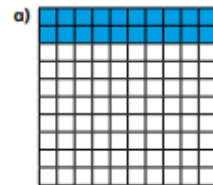
# Monday -answers

## Recognise tenths and hundredths

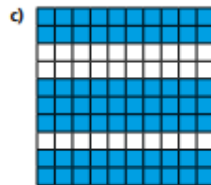


1 The hundred square represents 1 whole.

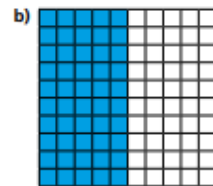
What fraction of each hundred square is shaded?



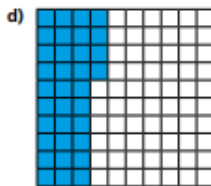
$\frac{1}{5}$



$\frac{7}{10}$

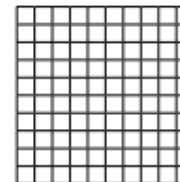


$\frac{1}{2}$



$\frac{13}{100}$

2 Here is a hundred square.



What fraction of the whole does each represent?

a) 4 full rows =  $\frac{40}{100}$

b) 6 full columns =  $\frac{60}{100}$

c) 13 squares =  $\frac{13}{100}$

d) 2 full rows and 5 squares =  $\frac{25}{100}$

e) 3 full columns and 8 squares =  $\frac{38}{100}$

3 Complete the sentences.

a) 4 tenths is equivalent to  $\frac{40}{100}$  hundredths.

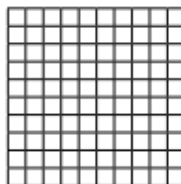
b) 70 hundredths is equivalent to  $\frac{7}{10}$  tenths.

c) 5 tenths is equivalent to  $\frac{50}{100}$  hundredths or 1 half.

# Monday -answers

4

One row is one tenth and one column is one tenth, so if I colour one row and one column on my hundred square I will have shown 2 tenths.



Is Dexter correct? No

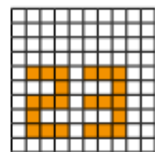
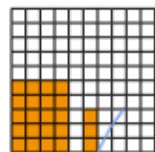
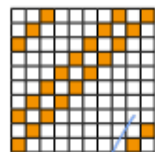
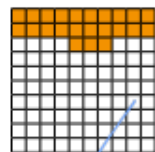
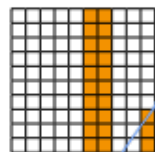
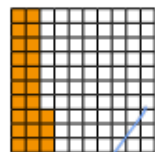
Explain your answer.

You may use the hundred square to help you.

There would only be 19 squares shaded.

5

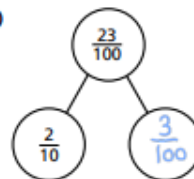
Tick the hundred squares with  $\frac{23}{100}$  shaded.



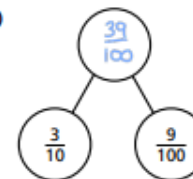
6

Complete the part-whole models.

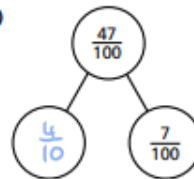
a)



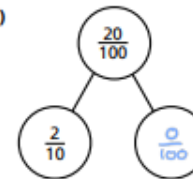
c)



b)



d)

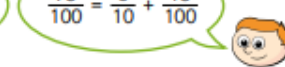


7



$$\frac{73}{100} = \frac{7}{10} + \frac{3}{100}$$

Annie



$$\frac{73}{100} = \frac{6}{10} + \frac{13}{100}$$

Ron

Who is correct? Both

How many ways can you partition  $\frac{73}{100}$ ?

## Tuesday - Equivalent Fractions 1.

<https://whiterosemaths.com/homelearning/year-4/>

Click the link, watch the video of the day and complete sheet 1 and sheet 2.

(You can then complete the equivalent fraction challenge if you want to do more maths.)

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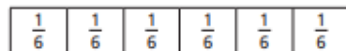
The video should be under Summer Term - Week 5 (w/c 18<sup>th</sup> May)

# Tuesday -sheet 1

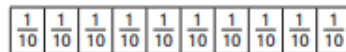
## Equivalent fractions (1)



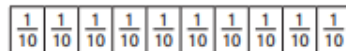
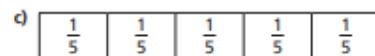
1 Shade the bar models to represent the equivalent fractions.



$$\frac{1}{2} = \frac{3}{6}$$



$$\frac{1}{2} = \frac{5}{10}$$

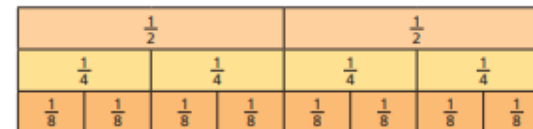


$$\frac{4}{5} = \frac{8}{10}$$



$$\frac{6}{8} = \frac{3}{4}$$

2 Use the fraction wall to complete the equivalent fractions.



a)  $\frac{1}{2} = \frac{\square}{4}$

c)  $\frac{2}{4} = \frac{4}{\square}$

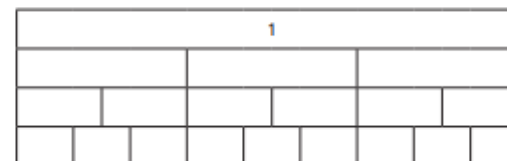
e)  $\frac{\square}{8} = \frac{3}{4}$

b)  $\frac{1}{2} = \frac{\square}{8}$

d)  $\frac{2}{8} = \frac{\square}{4}$

f)  $\frac{2}{2} = \frac{\square}{4} = \frac{\square}{8}$

3 a) Label the fractions on the fraction wall.



b) Use the fraction wall to complete the equivalent fractions.

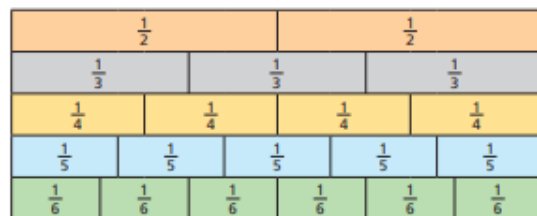
$\frac{1}{3} = \frac{\square}{6} = \frac{3}{\square}$

$\frac{\square}{3} = \frac{4}{\square} = \frac{6}{9}$

$\frac{3}{\square} = \frac{6}{\square} = \frac{9}{\square} = 1$

# Tuesday -sheet 2

- 4 Here is a fraction wall.



Is each statement true or false? Tick your answers.

- |   | True                     | False                    |
|---|--------------------------|--------------------------|
| a) $\frac{1}{2}$ is equivalent to $\frac{3}{6}$ | <input type="checkbox"/> | <input type="checkbox"/> |
| b) $\frac{2}{3}$ is equivalent to $\frac{3}{4}$ | <input type="checkbox"/> | <input type="checkbox"/> |
| c) $\frac{2}{4}$ is equivalent to $\frac{3}{6}$ | <input type="checkbox"/> | <input type="checkbox"/> |
| d) $\frac{2}{3}$ is equivalent to $\frac{4}{5}$ | <input type="checkbox"/> | <input type="checkbox"/> |
| e) $\frac{2}{3}$ is equivalent to $\frac{4}{6}$ | <input type="checkbox"/> | <input type="checkbox"/> |
| f) $\frac{3}{5}$ is equivalent to $\frac{4}{6}$ | <input type="checkbox"/> | <input type="checkbox"/> |

Write your own equivalent fractions statements.

Ask a partner to say if they are true or false.

- 5 Are the statements always, sometimes or never true?

Circle your answer.

Draw a diagram to support your answer.

- a) The greater the numerator, the greater the fraction.

always                      sometimes                      never

- b) Fractions equivalent to one half have even numerators.

always                      sometimes                      never

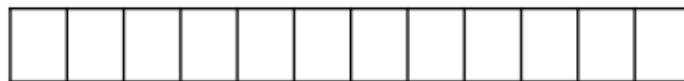
- c) If a fraction is equivalent to one half, the denominator will be double the numerator.

always                      sometimes                      never

# Tuesday Challenge

## Varied Fluency

Using the diagram, complete the equivalent fractions.



$$\frac{1}{4} = \frac{\square}{12} \quad \frac{1}{\square} = \frac{6}{12} \quad \frac{2}{3} = \frac{\square}{12} \quad \frac{5}{12} = \frac{\square}{24}$$



Using the diagram, complete the equivalent fractions.

$$\frac{1}{3} = \frac{\square}{6} = \frac{\square}{12} = \frac{\square}{24}$$



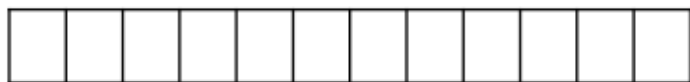
Complete:

$$\frac{1}{4} = \frac{2}{\square} = \frac{\square}{12} = \frac{4}{\square} = \frac{\square}{100} = \frac{\square}{500}$$

# Tuesday Challenge Answer

## Varied Fluency

Using the diagram, complete the equivalent fractions.



$$\frac{1}{4} = \frac{\boxed{3}}{12} \quad \frac{1}{\boxed{4}} = \frac{6}{12} \quad \frac{2}{3} = \frac{\boxed{8}}{12} \quad \frac{5}{12} = \frac{\boxed{5}}{24}$$



Using the diagram, complete the equivalent fractions.

$$\frac{1}{3} = \frac{\boxed{2}}{6} = \frac{\boxed{4}}{12} = \frac{\boxed{8}}{24}$$



Complete:

$$\frac{1}{4} = \frac{2}{\boxed{8}} = \frac{\boxed{3}}{12} = \frac{4}{\boxed{16}} = \frac{\boxed{5}}{100} = \frac{\boxed{125}}{500}$$

$$\frac{1}{4} = \frac{3}{12}$$

$$\frac{1}{2} = \frac{6}{12}$$

$$\frac{2}{3} = \frac{8}{12}$$

$$\frac{5}{12} = \frac{10}{24}$$

$$\frac{1}{3} = \frac{2}{6} = \frac{4}{12} = \frac{8}{24}$$

$$\frac{1}{4} = \frac{2}{8} = \frac{3}{12} = \frac{4}{16} = \frac{25}{100} = \frac{125}{500}$$

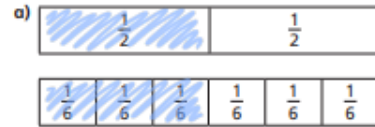


# Tuesday -answers

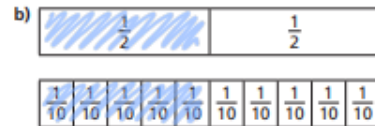
## Equivalent fractions (1)



1 Shade the bar models to represent the equivalent fractions.



$$\frac{1}{2} = \frac{3}{6}$$



$$\frac{1}{2} = \frac{5}{10}$$

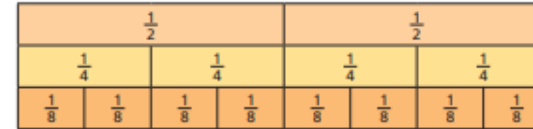


$$\frac{4}{5} = \frac{8}{10}$$



$$\frac{6}{8} = \frac{3}{4}$$

2 Use the fraction wall to complete the equivalent fractions.



a)  $\frac{1}{2} = \frac{4}{8}$

c)  $\frac{2}{4} = \frac{4}{8}$

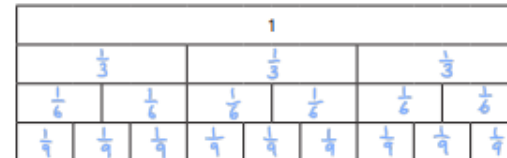
e)  $\frac{6}{8} = \frac{3}{4}$

b)  $\frac{1}{2} = \frac{4}{8}$

d)  $\frac{2}{8} = \frac{1}{4}$

f)  $\frac{2}{2} = \frac{4}{4} = \frac{8}{8}$

3 a) Label the fractions on the fraction wall.



b) Use the fraction wall to complete the equivalent fractions.

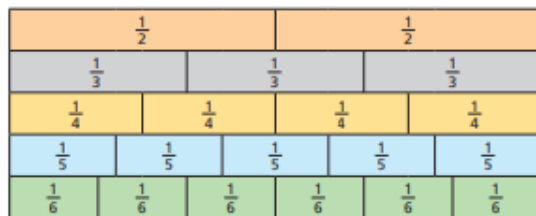
$\frac{1}{3} = \frac{2}{6} = \frac{3}{9}$

$\frac{2}{3} = \frac{4}{6} = \frac{6}{9}$

$\frac{3}{8} = \frac{6}{8} = \frac{9}{8} = 1$

# Tuesday -answers

- 4 Here is a fraction wall.



Is each statement true or false? Tick your answers.

- |   | True                                | False                               |
|---|-------------------------------------|-------------------------------------|
| a) $\frac{1}{2}$ is equivalent to $\frac{3}{6}$ | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b) $\frac{2}{3}$ is equivalent to $\frac{3}{4}$ | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| c) $\frac{2}{4}$ is equivalent to $\frac{3}{6}$ | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| d) $\frac{2}{3}$ is equivalent to $\frac{4}{5}$ | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e) $\frac{2}{3}$ is equivalent to $\frac{4}{6}$ | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| f) $\frac{3}{5}$ is equivalent to $\frac{4}{6}$ | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Write your own equivalent fractions statements.

Ask a partner to say if they are true or false.

- 5 Are the statements always, sometimes or never true?

Circle your answer.

Draw a diagram to support your answer.

- a) The greater the numerator, the greater the fraction.

always sometimes never



- b) Fractions equivalent to one half have even numerators.

always sometimes never



- c) If a fraction is equivalent to one half, the denominator will be double the numerator.

always sometimes never



No matter how many parts it's split into, the number shaded (numerator) will be half the total parts (denominator).

## Wednesday - Equivalent Fractions 2.

<https://whiterosemaths.com/homelearning/year-4/>

Click the link, watch the video of the day and complete sheet 1 and sheet 2.

(You can then complete the digit card challenge if you want to do more maths.)

Remember to self mark or ask a sibling or parent to mark it.

The video should be under Summer Term - Week 5 (w/c 18<sup>th</sup> May)

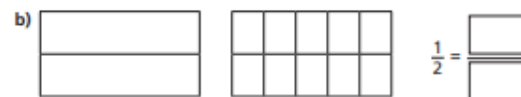
# Wednesday sheet 1

## Equivalent fractions (2)

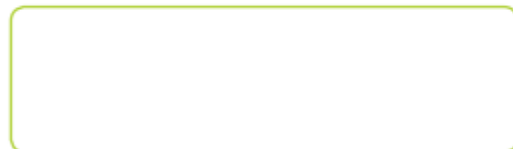


- 1 Shade the diagrams to help you complete the equivalent fractions.

The first one has been done for you.



- 2 Draw a diagram to show that  $\frac{3}{4} = \frac{6}{8}$




- 3 Match the equivalent fractions.

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

$$\frac{4}{10}$$

$$\frac{10}{15}$$

$$\frac{1}{7}$$

$$\frac{3}{21}$$

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

$$\frac{2}{5}$$

$$\frac{3}{12}$$



- 4 Complete the equivalent fractions.

a)  $\frac{1}{5} = \frac{\square}{10}$

d)  $\frac{3}{10} = \frac{9}{\square}$

g)  $\frac{8}{12} = \frac{2}{\square}$

b)  $\frac{4}{5} = \frac{\square}{10}$

e)  $\frac{6}{8} = \frac{3}{\square}$

h)  $\frac{2}{\square} = \frac{10}{25}$

c)  $\frac{3}{10} = \frac{6}{\square}$

f)  $\frac{8}{12} = \frac{\square}{3}$

i)  $\frac{1}{\square} = \frac{4}{28}$

# Wednesday sheet 2

- 5 a) Write the fractions in the correct place on the sorting diagram.

$\frac{8}{24}$	$\frac{3}{12}$	$\frac{5}{15}$	$\frac{6}{24}$	$\frac{4}{12}$	$\frac{9}{36}$	$\frac{3}{9}$	$\frac{4}{16}$
----------------	----------------	----------------	----------------	----------------	----------------	---------------	----------------

	equivalent to $\frac{1}{3}$	equivalent to $\frac{1}{4}$
odd denominator		
even denominator		

- b) Are any of the boxes empty?

Why do you think this is?

Talk about your answer with a partner.

- 6 Find three ways to make the fractions equivalent.

a)  $\frac{2}{\square} = \frac{4}{\square}$      $\frac{2}{\square} = \frac{4}{\square}$      $\frac{2}{\square} = \frac{4}{\square}$

b)  $\frac{1}{\square} = \frac{4}{\square}$      $\frac{1}{\square} = \frac{4}{\square}$      $\frac{1}{\square} = \frac{4}{\square}$

c)  $\frac{\square}{3} = \frac{\square}{9}$      $\frac{\square}{3} = \frac{\square}{9}$      $\frac{\square}{3} = \frac{\square}{9}$

- 7 Eva and Ron have a baguette each.

The baguettes are the same size.

Eva cuts her baguette into 8 equal pieces.



3 of my equal pieces are equal to 6 of Eva's.

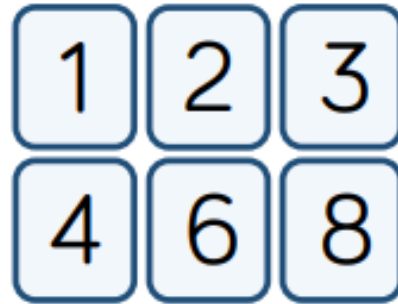


How many equal pieces has Ron cut his baguette into?

Ron has cut his baguette into  equal pieces.

# Wednesday Challenge

Use the digit cards to complete the equivalent fractions.

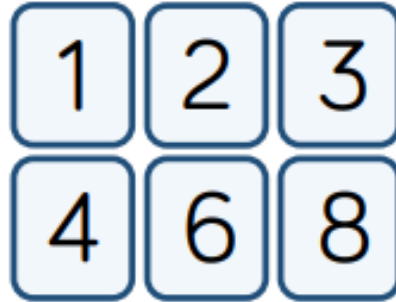


$$\frac{\square}{\square} = \frac{\square}{\square}$$

How many different ways can you find?

# Wednesday Challenge Answer

Use the digit cards to complete the equivalent fractions.



$$\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

How many different ways can you find?

Possible answers:

$$\frac{1}{2} = \frac{3}{6}, \frac{1}{2} = \frac{4}{8},$$

$$\frac{1}{3} = \frac{2}{6}, \frac{1}{4} = \frac{2}{8},$$

$$\frac{3}{4} = \frac{6}{8}, \frac{2}{3} = \frac{4}{6}$$

# Wednesday -answers

## Equivalent fractions (2)

- 1 Shade the diagrams to help you complete the equivalent fractions.

The first one has been done for you.

a)    $\frac{1}{3} = \frac{3}{6}$

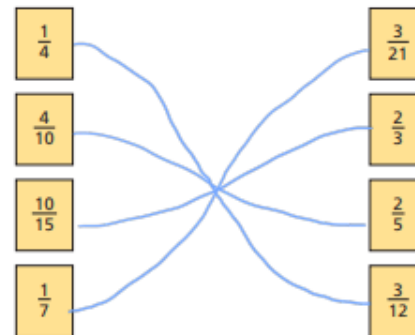
b)    $\frac{1}{2} = \frac{5}{10}$

c)    $\frac{1}{4} = \frac{3}{12}$

- 2 Draw a diagram to show that  $\frac{3}{4} = \frac{6}{8}$



- 3 Match the equivalent fractions.



- 4 Complete the equivalent fractions.

a)  $\frac{1}{5} = \frac{2}{10}$  d)  $\frac{3}{10} = \frac{9}{30}$  g)  $\frac{8}{12} = \frac{2}{3}$   
 b)  $\frac{4}{5} = \frac{8}{10}$  e)  $\frac{6}{8} = \frac{3}{4}$  h)  $\frac{2}{5} = \frac{10}{25}$   
 c)  $\frac{3}{10} = \frac{6}{20}$  f)  $\frac{8}{12} = \frac{2}{3}$  i)  $\frac{1}{7} = \frac{4}{28}$



# Wednesday -answers

- 5 a) Write the fractions in the correct place on the sorting diagram.

$\frac{8}{24}$	$\frac{3}{12}$	$\frac{5}{15}$	$\frac{6}{24}$	$\frac{4}{12}$	$\frac{9}{36}$	$\frac{3}{9}$	$\frac{4}{16}$
----------------	----------------	----------------	----------------	----------------	----------------	---------------	----------------

	equivalent to $\frac{1}{3}$	equivalent to $\frac{1}{4}$
odd denominator	$\frac{5}{15}$ $\frac{3}{9}$	
even denominator	$\frac{8}{24}$ $\frac{4}{12}$	$\frac{3}{12}$ $\frac{6}{24}$ $\frac{9}{36}$ $\frac{4}{16}$

- b) Are any of the boxes empty?  
Why do you think this is?  
Talk about your answer with a partner.

- 6 Find three ways to make the fractions equivalent.

*Various answers e.g.*

a)  $\frac{2}{2} = \frac{4}{4}$   $\frac{2}{5} = \frac{4}{10}$   $\frac{2}{71} = \frac{4}{142}$

b)  $\frac{1}{5} = \frac{4}{20}$   $\frac{1}{2} = \frac{4}{8}$   $\frac{1}{10} = \frac{4}{40}$

c)  $\frac{2}{3} = \frac{6}{9}$   $\frac{1}{3} = \frac{3}{9}$   $\frac{3}{3} = \frac{9}{9}$

- 7 Eva and Ron have a baguette each.

The baguettes are the same size.

Eva cuts her baguette into 8 equal pieces.



3 of my equal pieces are equal to 6 of Eva's.



How many equal pieces has Ron cut his baguette into?

Eva 

--	--	--	--	--	--	--	--

Ron 

--	--	--	--

Ron has cut his baguette into 

4
---

 equal pieces.

# Thursday - Fractions greater than 1.

<https://whiterosemaths.com/homelearning/year-4/>

Click the link, watch the video of the day and complete sheet 1 and sheet 2.

(You can then complete the **spot the mistake challenge** if you want to do more maths.)

Remember to self mark or ask a sibling or parent to mark it.

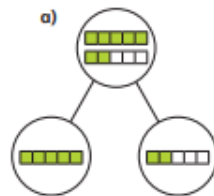
The video should be under **Summer Term - Week (w/c 18<sup>th</sup> May)**

# Thursday -sheet 1

## Fractions greater than 1

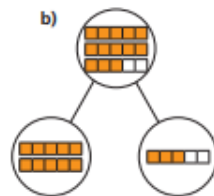


1 Complete the sentences.



There are 7 fifths altogether.

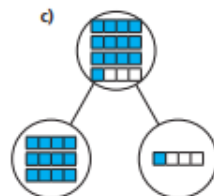
7 fifths =  whole +  fifths



There are  fifths altogether.

fifths =  wholes +

fifths



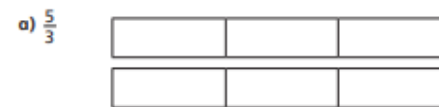
There are  quarters altogether.

quarters =  wholes +

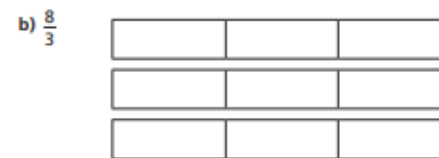
quarter

2 Shade the bar models to represent the fractions.

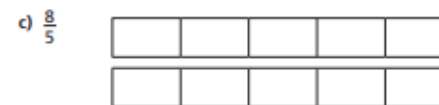
Complete the number sentences.



$$\frac{5}{3} = \text{  whole +  thirds =  }$$



$$\frac{8}{3} = \text{  wholes +  thirds =  }$$



$$\frac{8}{5} = \text{  whole +  fifths =  }$$

# Thursday -sheet 2

3 Complete the statements.

- a)  $\frac{12}{2} = \square$  wholes    e)  $\frac{15}{3} = \square$  wholes  
 b)  $\frac{12}{4} = \square$  wholes    f)  $\frac{15}{5} = \square$  wholes  
 c)  $\frac{12}{6} = \square$  wholes    g)  $\frac{15}{4} = \square$  wholes +  $\square$  quarters  
 d)  $\frac{12}{3} = \square$  wholes    h)  $\frac{15}{2} = \square$  wholes +  $\square$  half

4 Whitney bakes 26 muffins.

Muffins are packed in boxes of 4

a) How many boxes can Whitney fill?



Whitney can fill  $\square$  boxes.

b) How many more muffins does Whitney need to fill another box?

Whitney needs  $\square$  muffins to fill another box.  
 Explain how you know.

\_\_\_\_\_

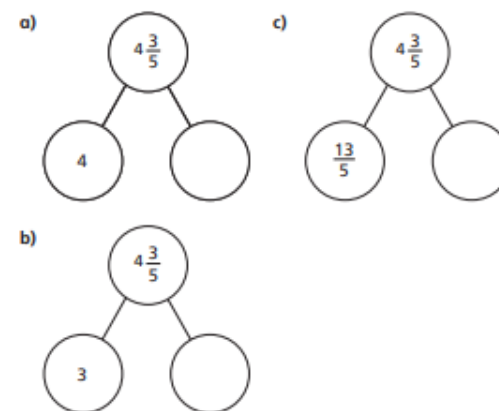
\_\_\_\_\_

How does writing  $\frac{26}{4}$  help you to answer this?

5 Write  $<$ ,  $>$  or  $=$  to complete the statements.

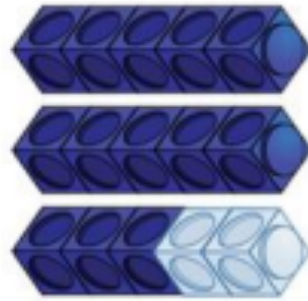
- a) 2 wholes and 3 quarters  $\bigcirc$  5 quarters  
 b) 2 wholes and 3 quarters  $\bigcirc$  15 quarters  
 c) 2 wholes and 3 sixths  $\bigcirc$  15 sixths  
 d) 2 wholes and 3 eighths  $\bigcirc$  15 eighths  
 e)  $\frac{15}{3} \bigcirc \frac{15}{5}$   
 f)  $\frac{15}{3} \bigcirc \frac{20}{4}$

6 Complete the part-whole models.



# Thursday Challenge

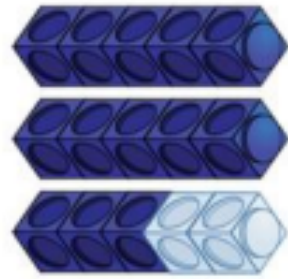
Spot the mistake.



$$\frac{13}{5} = 10 \text{ wholes and } 3 \text{ fifths}$$

# Thursday Challenge Answer

Spot the mistake.



$$\frac{13}{5} = 10 \text{ wholes and } 3 \text{ fifths}$$

There are 2  
wholes not 10  
 $\frac{10}{5} = 2$  wholes

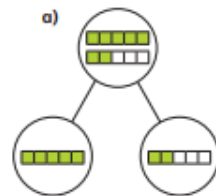
$\frac{13}{5} = 2$  wholes  
and 3 fifths

# Thursday -answers

## Fractions greater than 1

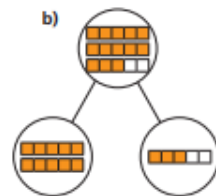


1 Complete the sentences.



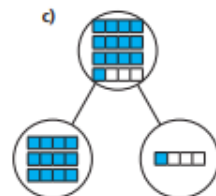
There are 7 fifths altogether.

7 fifths = 1 whole + 2 fifths



There are 13 fifths altogether.

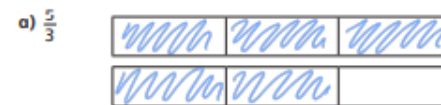
13 fifths = 2 wholes + 3 fifths



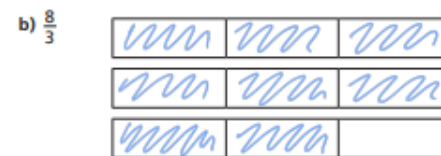
There are 13 quarters altogether.

13 quarters = 3 wholes + 1 quarter

2 Shade the bar models to represent the fractions.



$\frac{5}{3} = 1$  whole + 2 thirds =  $1\frac{2}{3}$



$\frac{8}{3} = 2$  wholes + 2 thirds =  $2\frac{2}{3}$



$\frac{8}{5} = 1$  whole + 3 fifths =  $1\frac{3}{5}$



# Thursday -answers

3 Complete the statements.

- a)  $\frac{12}{2} = \boxed{6}$  wholes    e)  $\frac{15}{3} = \boxed{5}$  wholes  
 b)  $\frac{12}{4} = \boxed{3}$  wholes    f)  $\frac{15}{5} = \boxed{3}$  wholes  
 c)  $\frac{12}{6} = \boxed{2}$  wholes    g)  $\frac{15}{4} = \boxed{3}$  wholes +  $\boxed{3}$  quarters  
 d)  $\frac{12}{3} = \boxed{4}$  wholes    h)  $\frac{15}{2} = \boxed{7}$  wholes +  $\boxed{1}$  half

4 Whitney bakes 26 muffins.

Muffins are packed in boxes of 4

a) How many boxes can Whitney fill?



Whitney can fill  $\boxed{6}$  boxes.

b) How many more muffins does Whitney need to fill another box?

Whitney needs  $\boxed{2}$  muffins to fill another box.

Explain how you know.

*She will fill 6 boxes with 2 left over so another*

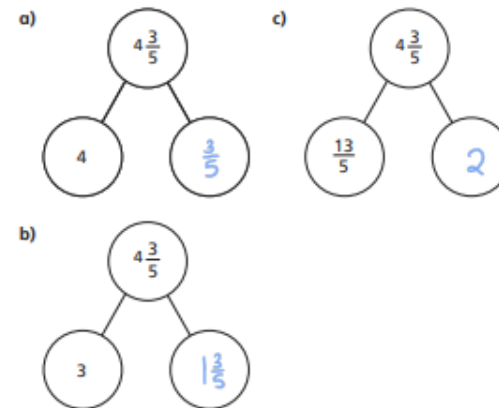
*2 are needed to fill the seventh box.*

How does writing  $\frac{26}{4}$  help you to answer this?

5 Write  $<$ ,  $>$  or  $=$  to complete the statements.

- a) 2 wholes and 3 quarters  $\boxed{>}$  5 quarters  
 b) 2 wholes and 3 quarters  $\boxed{<}$  15 quarters  
 c) 2 wholes and 3 sixths  $\boxed{=}$  15 sixths  
 d) 2 wholes and 3 eighths  $\boxed{>}$  15 eighths  
 e)  $\frac{15}{3} \boxed{>} \frac{15}{5}$   
 f)  $\frac{15}{3} \boxed{=} \frac{20}{4}$

6 Complete the part-whole models.



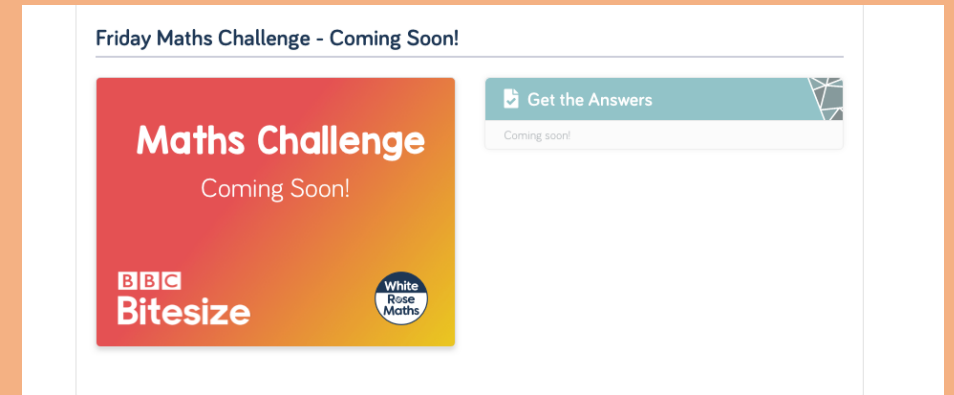


# Friday - Reasoning challenges

<https://whiterosemaths.com/homelearning/year-4/>

Have a go at completing the White Rose Maths Challenge

The video should be under Summer Term - Week 4  
(w/c 18<sup>th</sup> May)



# Friday Challenge - Extra

Rosie says,



$\frac{16}{4}$  is greater than  $\frac{8}{2}$   
because 16 is greater  
than 8

Do you agree?  
Explain why.

# Friday Challenge Answer

Rosie says,



$\frac{16}{4}$  is greater than  $\frac{8}{2}$   
because 16 is greater  
than 8

Do you agree?  
Explain why.

I disagree with  
Rosie because  
both fractions are  
equivalent to 4

Children may  
choose to build  
both fractions  
using cubes, or  
draw bar models.