

Maths Tasks:

White Rose Year 4 Summer Term Week 5 w/c/ 18th May

On these White Rose Lessons you will watch a little video which clearly explains the processes covered in this week's fractions work; Tenths and Hundredths, Equivalent Fractions and Fractions greater than 1. I know these are from a few weeks ago but they match perfectly with what we have to learn.

White Rose Worksheets found on our class webpage as sheets not available on line

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

The screenshot displays the White Rose Maths website interface. At the top, there is a navigation bar with links: Resources, Professional Development, Home Learning (highlighted), Who We Are, and News. A search icon and a Premium Resources Centre link are also present. Below the navigation bar, the page title is 'Home Learning - Year 4'. The main content area is titled 'Summer Term - Week 5 (w/c 18th May)'. It features three lessons:

- Lesson 1 - Recognise tenths and hundredths**: Includes a video player showing a 10x10 grid where 1 square out of 100 is shaded blue, representing $\frac{1}{100}$. The video player has a play button and a progress bar. To the right of the video, there is a text box asking 'Looking for the worksheets?' and a button 'Already covered this content?'.
- Lesson 2 - Equivalent fractions (1)**: Includes a video player showing a 10x10 grid where 1 square out of 10 is shaded blue, representing $\frac{1}{10}$. The video player has a play button and a progress bar. To the right of the video, there is a text box asking 'Looking for the worksheets?' and a button 'Already covered this content?'.
- Lesson 3 - Equivalent fractions (2)**: Includes a video player showing a 10x10 grid where 1 square out of 10 is shaded blue, representing $\frac{1}{10}$. The video player has a play button and a progress bar. To the right of the video, there is a text box asking 'Looking for the worksheets?' and a button 'Already covered this content?'.

On the right side of the page, there is a sidebar with a 'Home Learning' section containing links to 'Easter Fun', 'Summer Term', 'Home Learning - Early Years', 'Home Learning - Year 1', 'Home Learning - Year 2', 'Home Learning - Year 3', 'Home Learning - Year 4' (highlighted), 'Home Learning - Year 5', and 'Home Learning - Year 6'.

Try all 5 lessons for this week and see how you get on

BBC Bitesize Daily Lessons Year 4 Maths w/c/ 18th May

Lessons covering the same learning objectives based on Fractions can be found on BBC Bitesize Daily Lessons:

<https://www.bbc.co.uk/bitesize/tags/z63tt39/year-4-and-p5-lessons/1>

Again, look for the Maths lessons for the Week Commencing 18th May.

On this website, they normally have video explaining the processes, online activities and links to twinkl for more sheets to help you with consolidating the knowledge

Bitesize

Change language

[Home](#) [Daily lessons](#) [Learn](#) [Support](#) [Careers](#) [My Bitesize](#) [All Bitesize](#)

Year 4 and P5 lessons

18 May: Maths

Tenths and hundredths

18 May: English

Fact and opinion

18 May - To understand the difference between fact and opinion.

18 May: History

What was it like to live in the Bronze Age?

18 May - Learn about what life was like in The Bronze Age.

Daily lessons

Home learning focus

Learn about tenths and hundredths and how to write and compare them as fractions.

This lesson includes:

- three slideshows
- two interactive activities

Created in partnership with [Twinkl](#)

Learn

One **tenth** is one part of ten and is written as a fraction like this $\frac{1}{10}$. The denominator is 10.

One **hundredth** is one part of 100 and is written as a fraction like this $\frac{1}{100}$. The denominator is 100.

41 hundredths is **four tenths** and **one**

Year 4/ P5 online lessons

Monday 18 May - Friday 22 May

Monday	Tuesday	Wednesday	Thursday	Friday
Maths Comparing fractions: tenths and hundreds	Maths Equivalent fractions	Maths Simplifying fractions	Maths Compare fractions	Maths Challenge of the week

Bitesize

Daily lessons

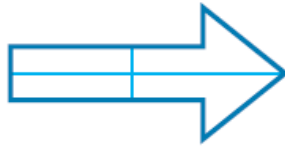
Extra Tasks and Challenges

Task 1:

1) Have these shapes been split into fractions?



- ☐ Yes
☐ No



- ☐ Yes
☐ No



- ☐ Yes
☐ No

2) Complete the table.

Words	Fractions	Shape	Number Line	Quantities
one quarter	$\frac{1}{4}$			

3) Look at the image below. Read the statements and complete the table.

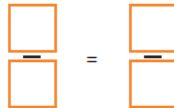
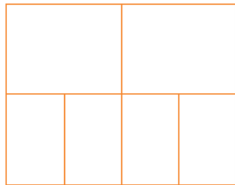
	Statement	True or False?
	The image represents $\frac{3}{4}$.	
	The image represents two thirds.	
	The image represents this fraction.	

Task 2:

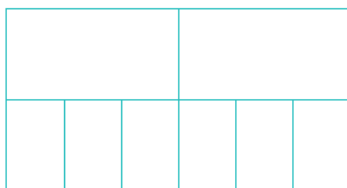


1) Label the fractions and identify the equivalents for one half.

a) One half is equivalent to _____



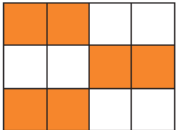
b) _____ is equivalent to _____



c) _____ is equivalent to _____



2) Is the fraction in the table equivalent to $\frac{2}{4}$?
Complete the table.

Fraction	Is it equivalent to $\frac{2}{4}$? ✓ or ✗
a) 	
b) 	
c) 	

3) Hana, Isla and Fabien all had a bar of chocolate the same size. Hana ate two quarters of her bar of chocolate. Isla ate three sixths of her chocolate and Fabien ate five tenths of his chocolate. Who ate the most?

Task 3:

Is this statement true or false? Prove it and explain your reasoning.

Equivalent fractions always have the same numerator.



Pavneet says:



Three sixths is equivalent to four twelfths.

Do you agree or disagree? Explain and prove your answer.

- a) Use the digit cards to make fractions that are equivalent to one half. Each digit card may only be used once per solution. Find 7 possibilities with denominators less than 20.

0	1	2	3	4	5	6	7	8
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$\frac{1}{2}$	=							

- b) Explain anything interesting you discovered about the equivalent fractions you found.

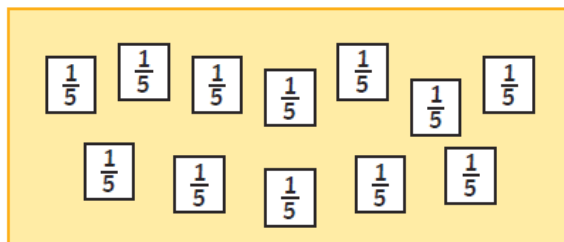
Task 4:

- 1) Complete the table.



$\frac{6}{6} = 1 \text{ whole}$	$\frac{6}{4}$
There are ____ sixths altogether. ____ sixths = ____ whole and ____ sixths	There are ____ quarters altogether. ____ quarters = ____ whole ones and ____ quarters

- 2) Complete the sentences to match the image.



There are fifths altogether.

fifths = wholes and fifths

- 3) Complete the calculations. You can draw part-whole models to help you.

$\frac{24}{10} = \frac{20}{10} + \frac{\square}{10} = 2\frac{4}{10}$	$\frac{\square}{2} = \frac{\square}{2} + \frac{\square}{2} = 5\frac{1}{2}$
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- 1) Which one is the odd one out? Prove it!



$\frac{21}{7}$

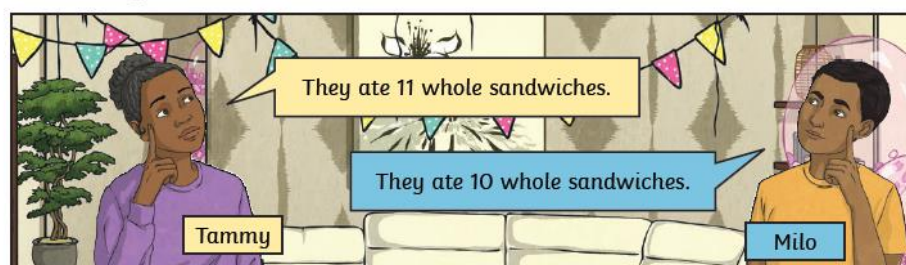
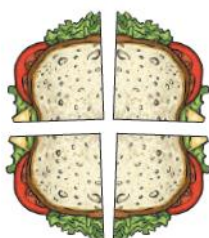
$\frac{12}{4}$

$\frac{10}{3}$

$\frac{18}{6}$

- 2) The children have solved a problem. Read their answers. Explain who is incorrect and why.

There are 4 children at a party. Each whole sandwich is cut into 4 parts. The children eat 42 parts altogether. How many whole sandwiches did they eat?



Task 5:

Write the next three fractions in each sequence.

a) $\frac{1}{8}, \frac{2}{8}, \frac{3}{8},$, ,

b) $\frac{1}{4}, \frac{2}{4}, \frac{3}{4},$, ,

c) $\frac{1}{4}, \frac{3}{4}, 1\frac{1}{4},$, ,

d) $4, 3\frac{1}{3}, 2\frac{2}{3},$, ,

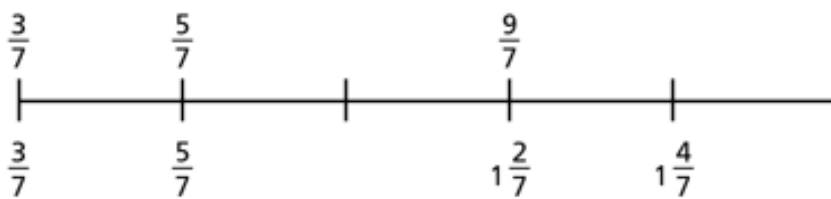
Complete the number lines.

a)

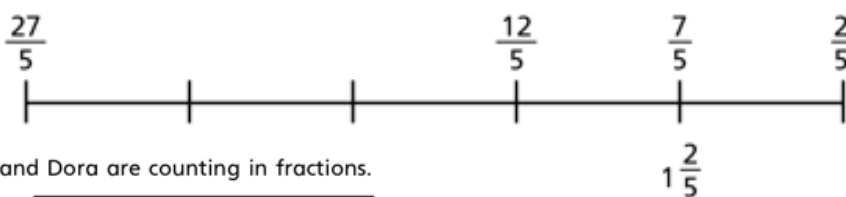


...

b)



c)



Amir, Dexter and Dora are counting in fractions.

$\frac{8}{10}, \frac{9}{10}, \frac{10}{10}, \frac{11}{10}$



Amir

The next fraction

is $\frac{12}{10}$

The next fraction

is $1\frac{2}{10}$



Dexter



Dora

The next fraction

is $1\frac{1}{5}$

a) Who is correct? _____

Explain your answer.

Task 6: Fractions Bingo!

To play, print off a game board for each player, get some pencils and a pair of dice. I have provided different boards but 2 players could easily play on the same board and come up with different combinations if needed.

Each player will need a gameboard.

Player 1 rolls the dice.

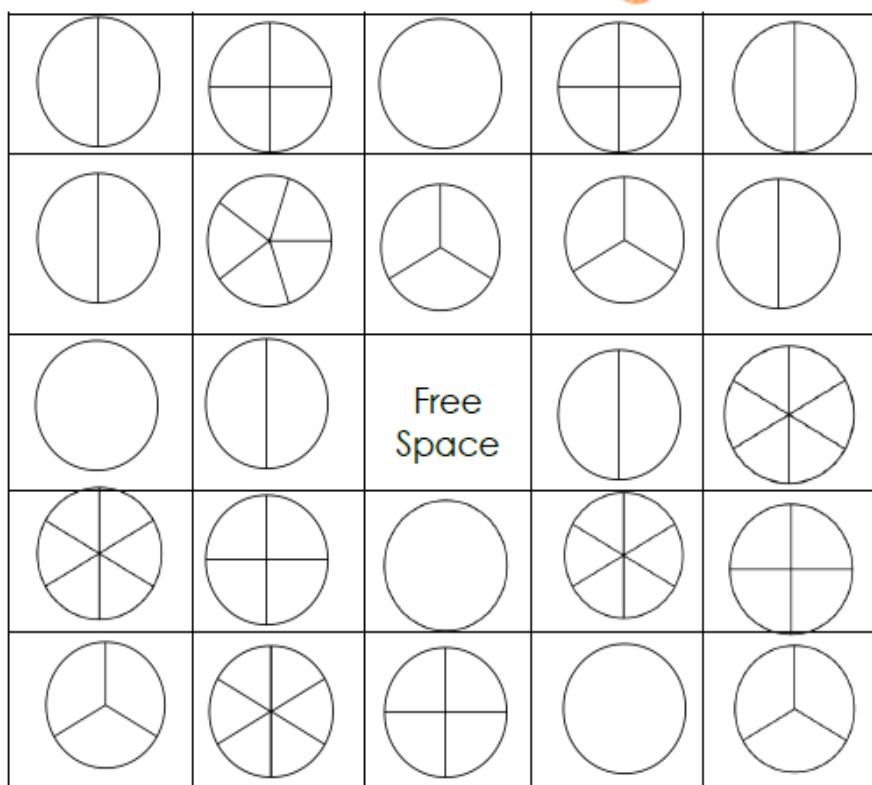
If a 2 and 4 are rolled, the smaller number is the numerator (top number) and the larger number is the denominator (bottom number). Player one then visualises what that fractions looks like and tries to find it on their board. Player 1 will look for a circle cut into quarters and colour 2 parts OR if they understand equivalent fractions they might realize that it is also the same as $\frac{1}{2}$. Similar conversions can be made with a whole circle for fractions $\frac{1}{1}$, $\frac{2}{2}$, $\frac{3}{3}$, $\frac{4}{4}$, $\frac{5}{5}$, $\frac{6}{6}$ as they represent a whole.

Once Player 1 has taken his/her turn, Player 2 rolls the dice. Play Continues.

First to get five in a row- up or down, across, or diagonally-- wins! Make sure to call out, "BINGO!"

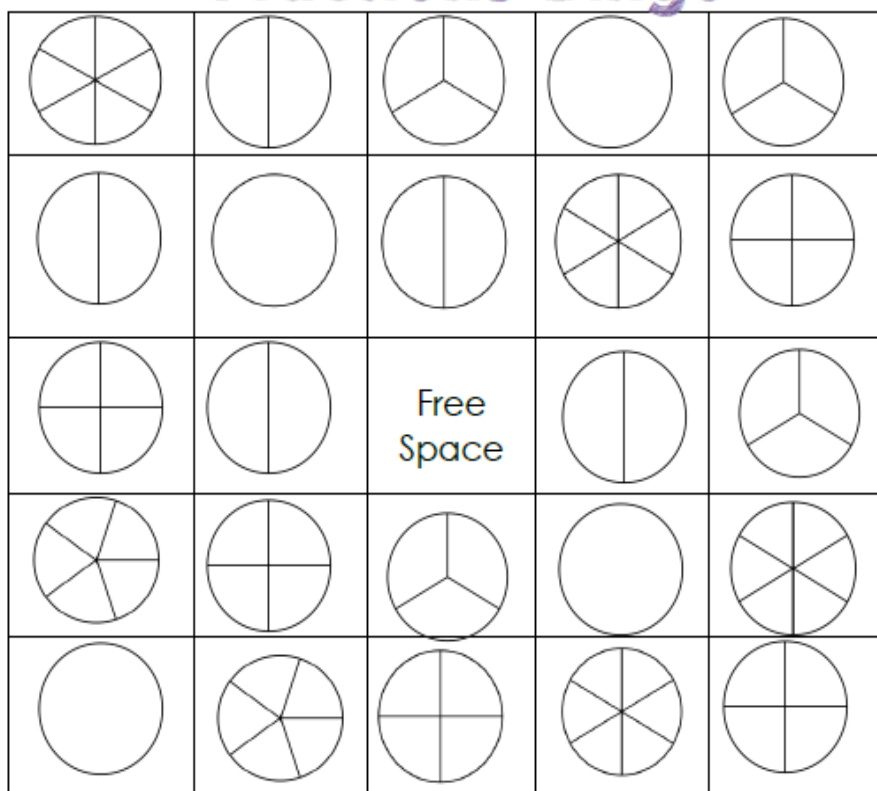
Have fun playing!

Fractions Bingo



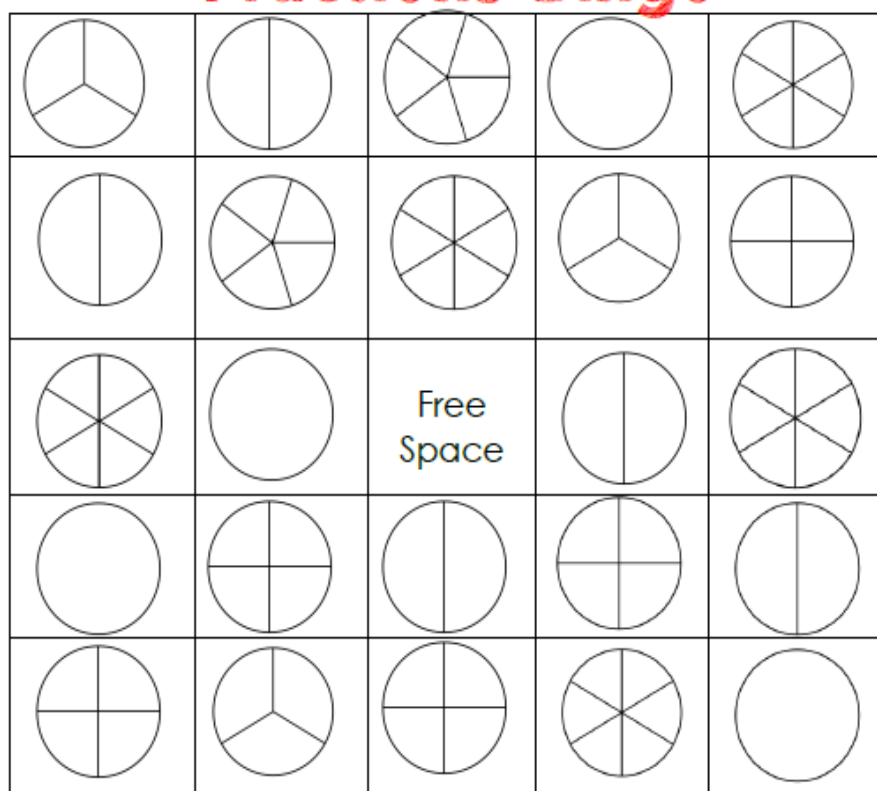
Created by: School Time Snippets

Fractions Bingo



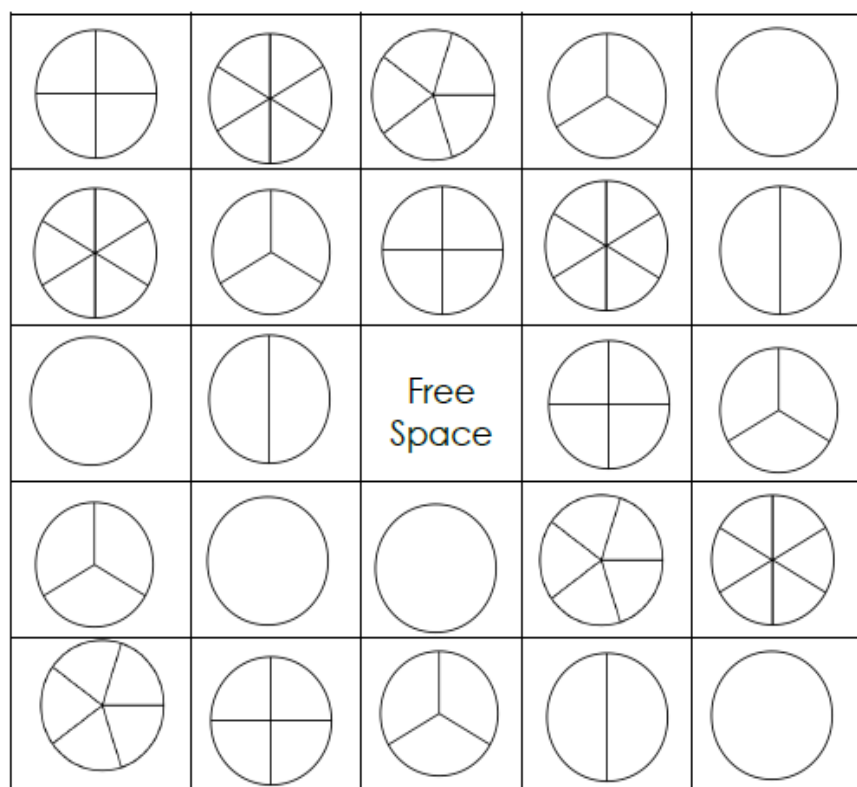
Created by: School Time Snippets

Fractions Bingo



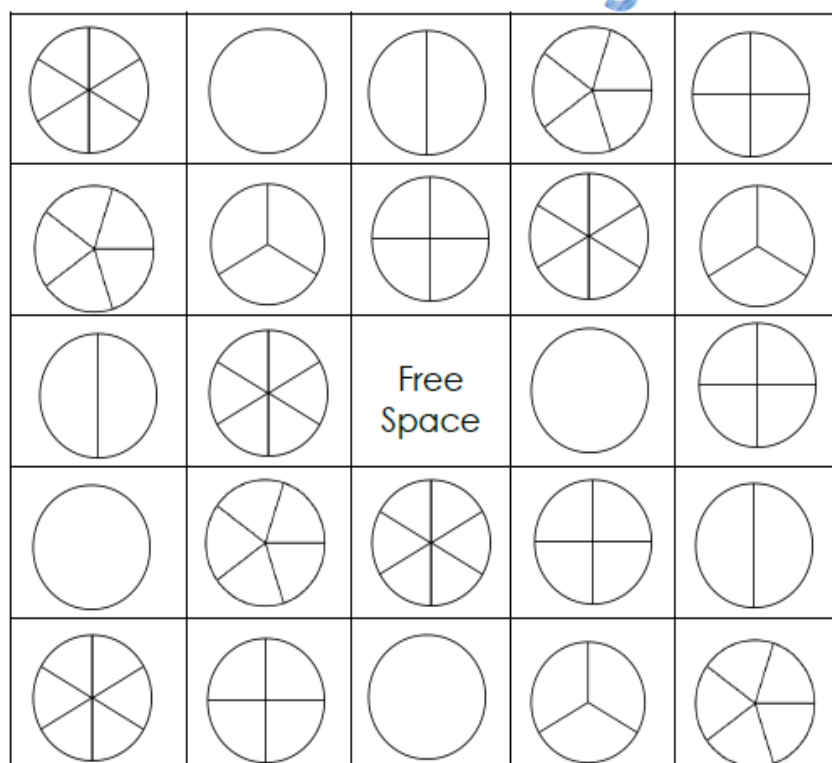
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Fractions Bingo



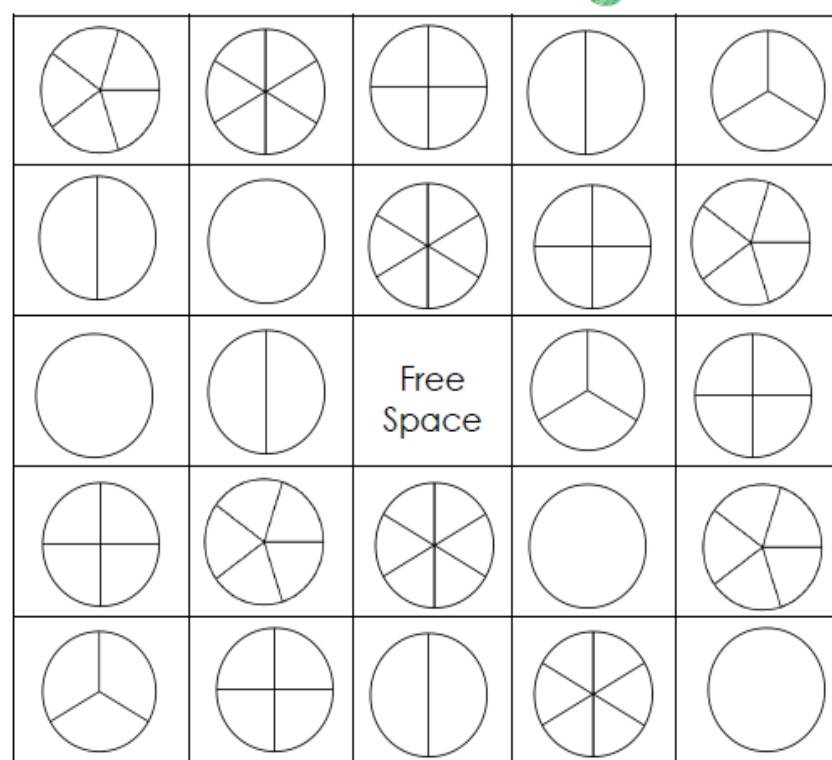
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Fractions Bingo



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Fractions Bingo

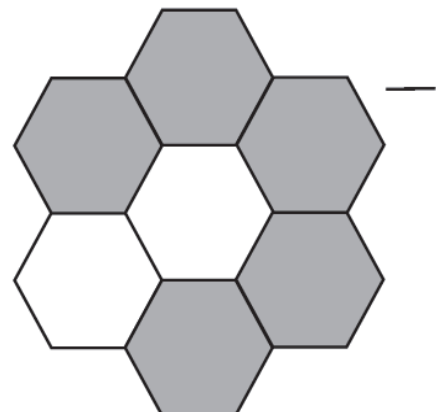
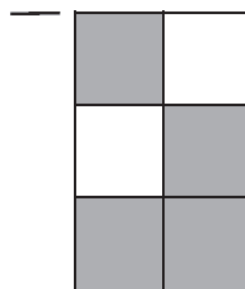
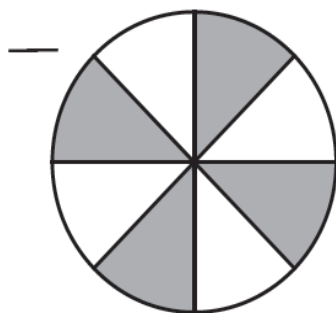
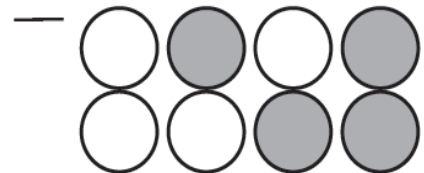
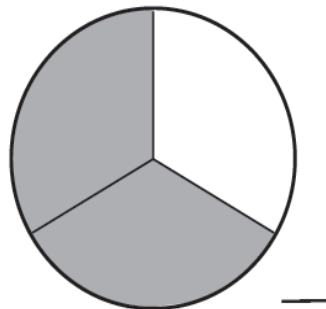
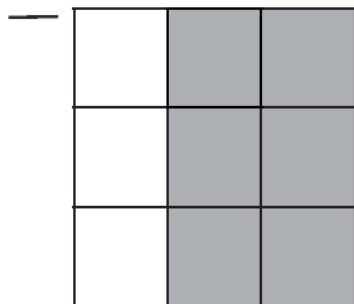
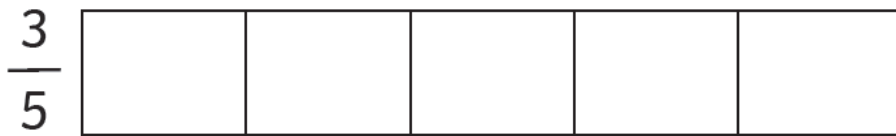
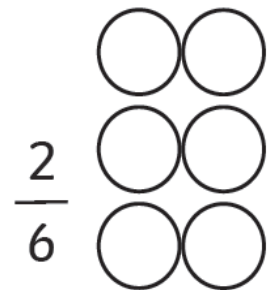
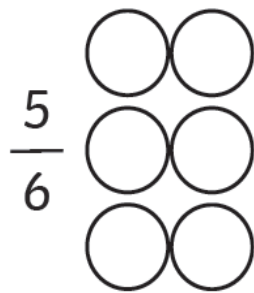


Created by: School Time Snippets

Task 7:

Colour and Label Fractions

Colour and label correctly:





Task 8: Miss Wilson's Smart Smarties

Get a tube of smarties of other coloured sweet equivalent, empty the contents of the tube and count the number of smarties, this number will be your denominator (bottom number) your task is then to find the fraction of smarties you have of each colour. So organise and count colours and create fractions in the table below. E.g. if I had 28 smarties, and 6 of them were red then $\frac{6}{28}$ of the smarties were red!

REMEMBER:

The **total** number of smarties is the **WHOLE** amount.

The amount of **each** individual colour is a **FRACTION** of the whole.

Total number of smarties:

.....

Colour	Fraction (of whole amount)	Equivalent Fractions
E.g.. RED	$\frac{6}{24}$	$\frac{3}{12}$ $\frac{1}{4}$ $\frac{12}{48}$

CHALLENGE:

Can you write any of the fractions as decimals?

$$\text{Red} = \frac{1}{4} = 0.25$$

Task 9: Lego Fractions!

Fraction Building Challenge Cards

If 3 bricks are green and 3 bricks are red, what fraction of the tower is green and red?



Fraction Building Challenge Cards

Finish this sentence:

$\frac{2}{2}$ of the tower is _____ and _____.



Fraction Building Challenge Cards

What fraction of the tower is green?



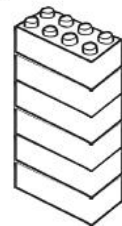
Fraction Building Challenge Cards

Can you build a tower with 6 bricks that is $\frac{1}{2}$ yellow and $\frac{1}{2}$ red?



Fraction Building Challenge Cards

Can you build a tower with 6 bricks that is $\frac{1}{2}$ green and $\frac{1}{2}$ red? No brick can touch another brick of the same colour.



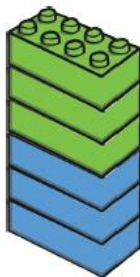
Fraction Building Challenge Cards

What fraction of the tower is yellow? What fraction of the tower is green?



Fraction Building Challenge Cards

What can you see? Can you use fractions to describe the tower?



Fraction Building Challenge Cards

What can you see? Can you use fractions to describe the tower?



Fraction Building Challenge Cards

$\frac{2}{4}$ of the tower is red. What else could we call this?



Fraction Building Challenge Cards

Build a tower with 8 bricks; $\frac{1}{4}$ in each colour.



Fraction Building Challenge Cards

My tower is $\frac{1}{2}$ red. I have used 5 red bricks. How many bricks high is my tower?



Fraction Building Challenge Cards

My tower is $\frac{1}{4}$ yellow. I have used 3 yellow bricks. How many bricks high is my tower?



Extra Lego Challenge:

- This one is tricky

Building Brick Fractions UKS2 Challenge Cards

1. What fraction of the brick wall is:

Red	Blue
Green	Yellow



Extra Challenge

What percentage and decimal equivalent is each colour worth?

twinkl.co.uk

- Can you create your own Lego brick towers or creations using different fractions of coloured bricks?