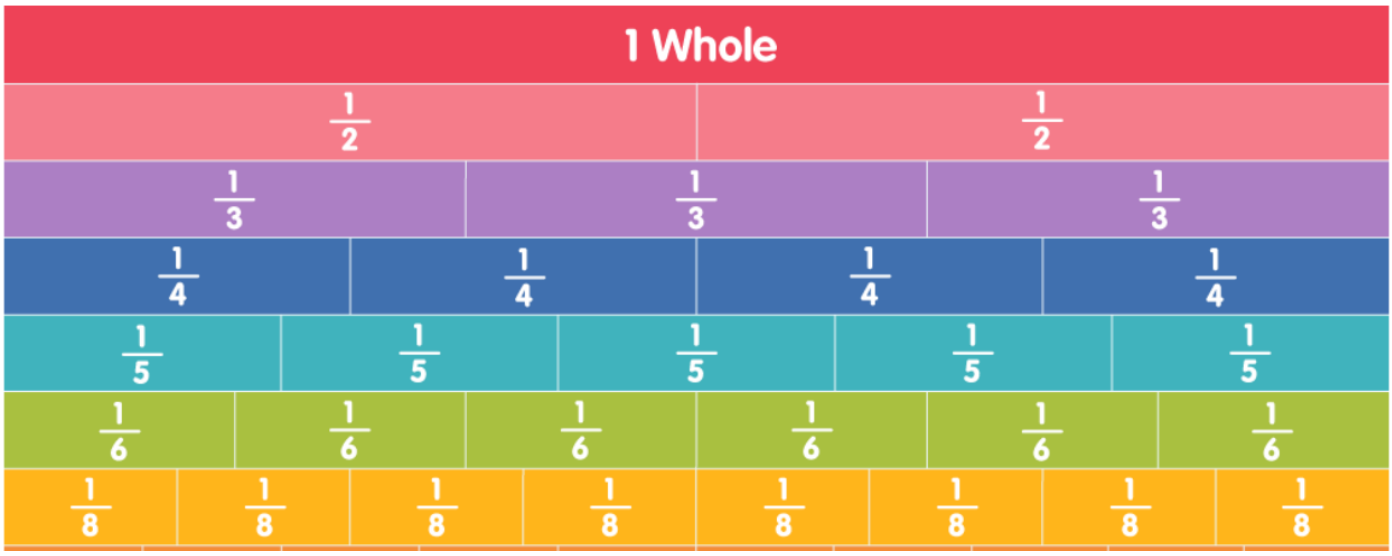
Week beginning 9.11.20

Maths

This week we are continuing to look at comparing and ordering fractions.

Use this fraction wall to support and check.



Monday

Watch the lesson titled compare and order (denominator)

https://whiterosemaths.com/homelearning/year-6/week-9-number-fractions/

Order the following fractions from smallest to largest. Change the fractions so they have the same denominators. Draw representations of the fractions eg bar models to help you.

4 7 3

5, 10, 4

11 2 7 1

15, 3, 10,2

1 3 7 3

6, 5, 8, 4

Challenge

Order the fractions in descending order.

$\frac{3}{8}, \frac{11}{20}, \frac{1}{2}, \frac{2}{5}, \frac{3}{4}, \frac{7}{10}$

Which fraction is the greatest?

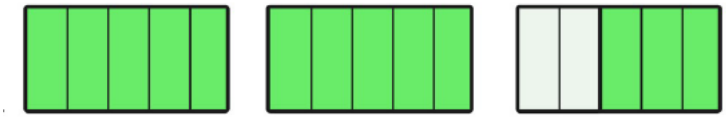
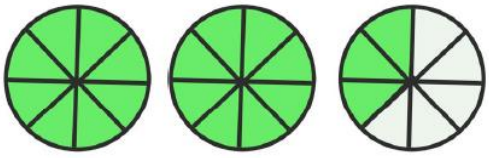
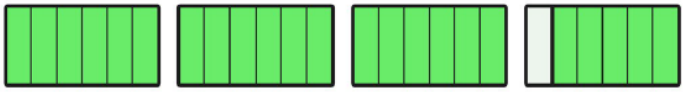
Which fraction is the smallest?

Tuesday

Watch the lesson titled improper fractions to mixed numbers

https://whiterosemaths.com/homelearning/year-6/week-8-number-fractions/

Complete the following table

Improper fraction	Representation	Mixed fraction
		
		
$\frac{5}{3}$		
		
$\frac{32}{10}$		

Extension

Spot the mistake

- $\frac{27}{5} = 5\frac{1}{5}$
- $\frac{27}{3} = 8$
- $\frac{27}{4} = 5\frac{7}{4}$
- $\frac{27}{10} = 20\frac{7}{10}$

What mistakes have been made?

Can you find the correct answers?

Challenge

I know... so...

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

$$2\frac{4}{5} = \frac{14}{5}$$

$$3\frac{1}{5} = \frac{\square}{\square}$$

Wednesday

Watch the lesson titled mixed to improper fractions

https://whiterosemaths.com/homelearning/year-6/week-9-number-fractions/

Represent the following mixed numbers and convert them to improper fractions

$3\frac{2}{5}$

$4\frac{1}{6}$

$2\frac{2}{3}$

Extension

Fill in the missing numbers.

How many different possibilities can you find for each equation?

$$2\frac{\square}{8} = \frac{\square}{8}$$

$$2\frac{\square}{5} = \frac{\square}{5}$$

Compare the number of possibilities you found.

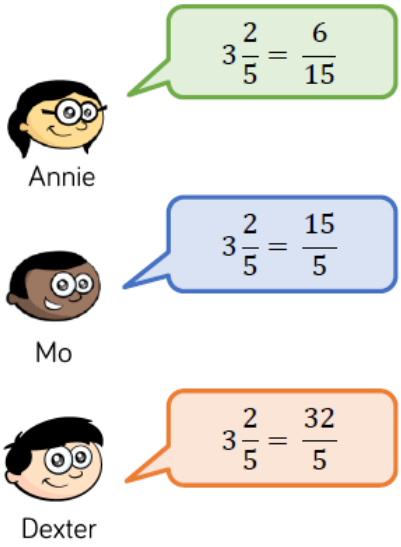
Explain

How many quarters in $3\frac{1}{2}$?

(a) 14
(b) 2
(c) 7

Challenge

Three children have incorrectly converted $3\frac{2}{5}$ into an improper fraction.



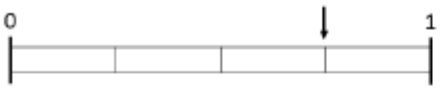
What mistake has each child made?

Thursday

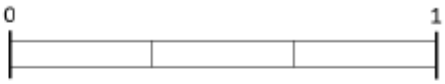
Watch the lesson titled fractions on a number line

https://whiterosemaths.com/homelearning/year-6/week-9-number-fractions/

What fraction is the arrow indicating on the number line?



Mark $\frac{2}{3}$ on the number line.

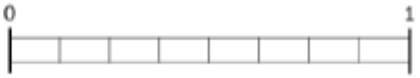


Mark $\frac{3}{10}$ on the number line.

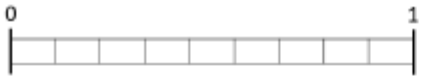
What fraction is the arrow indicating on the number line?

What fraction is the arrow indicating on the number line?

Mark $\frac{5}{8}$ on the number line.

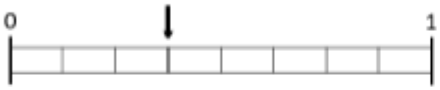


Mark $\frac{4}{9}$ on the number line.

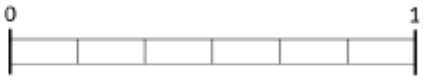


What fraction is the arrow indicating on the number line?

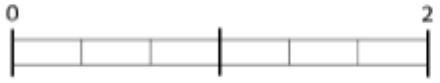
What fraction is the arrow indicating on the number line?



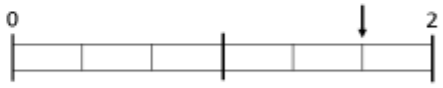
Mark $\frac{5}{6}$ on the number line.



Mark $1\frac{1}{3}$ on the number line.

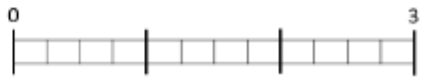


What fraction is the arrow indicating on the number line?



What fraction is the arrow indicating on the number line?

Mark $\frac{9}{4}$ on the number line.

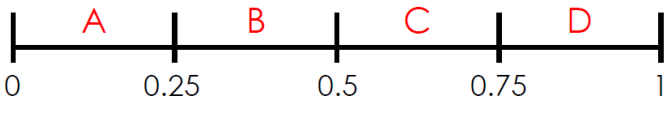


Challenge

Different ways

Use the digits 2, 3, 4, 5, 6.

How many fractions can be made for each section?



Example: $\frac{2}{3}$ is in section C

Friday

Watch the lesson titled compare and order (numerator)

https://whiterosemaths.com/homelearning/year-6/week-9-number-fractions/

Compare the following fraction using <, > or =

$4\frac{2}{3}$ and $4\frac{1}{2}$

$1\frac{1}{4}$ and $1\frac{7}{8}$

$2\frac{1}{5}$ and $2\frac{1}{3}$

$3\frac{3}{8}$ and $3\frac{8}{9}$

$5\frac{1}{6}$ and $4\frac{5}{6}$

Put the following fractions in ascending order

$\frac{8}{10}, \frac{7}{3}, 2\frac{7}{15}, \frac{17}{2}$

Extension

Circle the improper fraction that is equivalent to $6\frac{7}{8}$

$\frac{67}{8}$ $\frac{48}{8}$ $\frac{62}{8}$ $\frac{55}{8}$ $\frac{76}{8}$