



11.02.21

IALT: understand fractions greater than 1.

Write 3 more equivalent fractions:

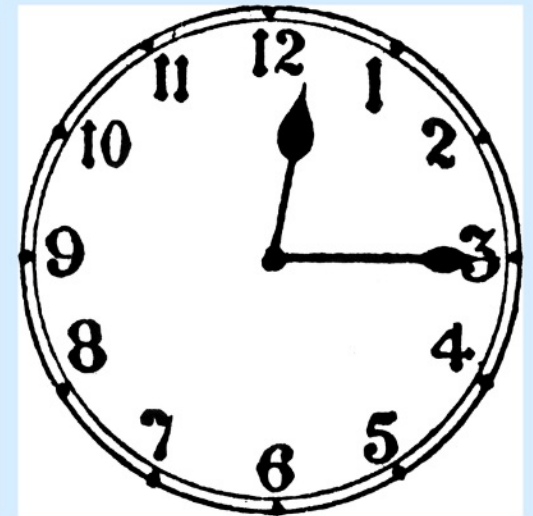
$$\frac{2}{3} = \quad = \quad =$$

Are these fractions equivalent? $\frac{3}{4} = \frac{8}{9}$

Bus Stop Division: $562 \div 2$

Long Multiplication: 5032×4

Challenge:





11.02.21

IALT: understand fractions greater than 1.

Write 3 more equivalent fractions:

$$\frac{2}{3} = \frac{4}{6} = \frac{8}{12} = \frac{16}{24}$$

Are these fractions equivalent? $\frac{3}{4} = \frac{8}{9}$

No, it should be $\frac{6}{8}$

Bus Stop Division: $562 \div 2$ 281

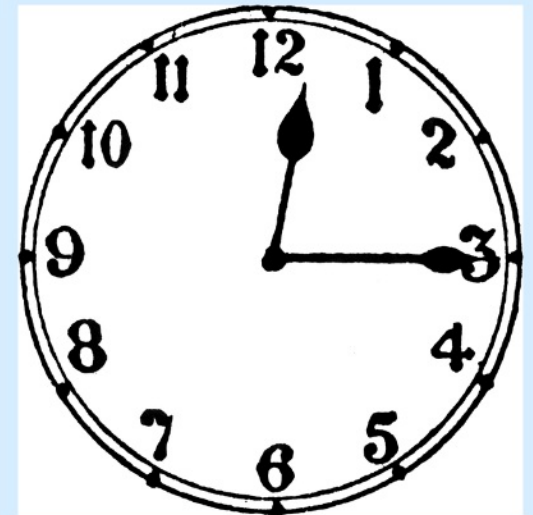
Long Multiplication: 5032×4 20,128

12:15

OR

Quarter past 12

Challenge:



<https://www.topmarks.co.uk/maths-games/daily10>

Daily Counting


halves


thirds

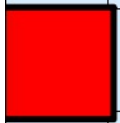
quarters



How can we use cubes to represent fractions?


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


$$= \frac{2}{2}$$



How could we show 2 whole and 1 quarter?

How could we show 10 thirds?

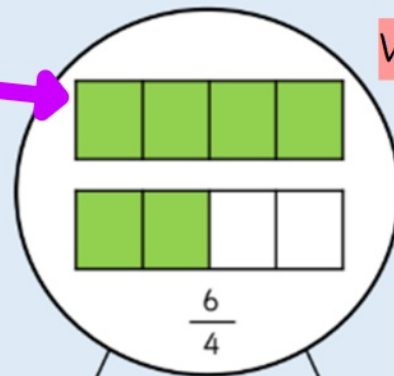
A fraction can be split into wholes and parts.

WHY does the whole have 4 parts here?

WHAT is 4 quarters equal to?

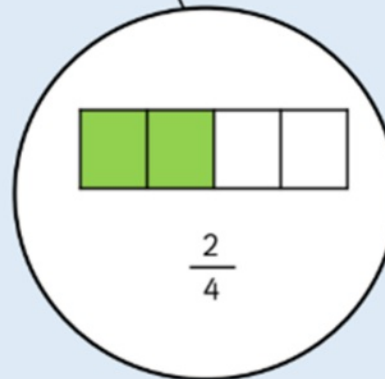
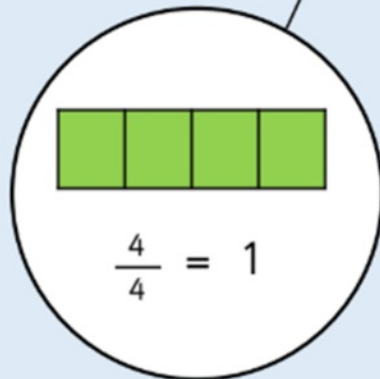
Greater than 1

4



There are quarters altogether.

quarters = whole and quarters.

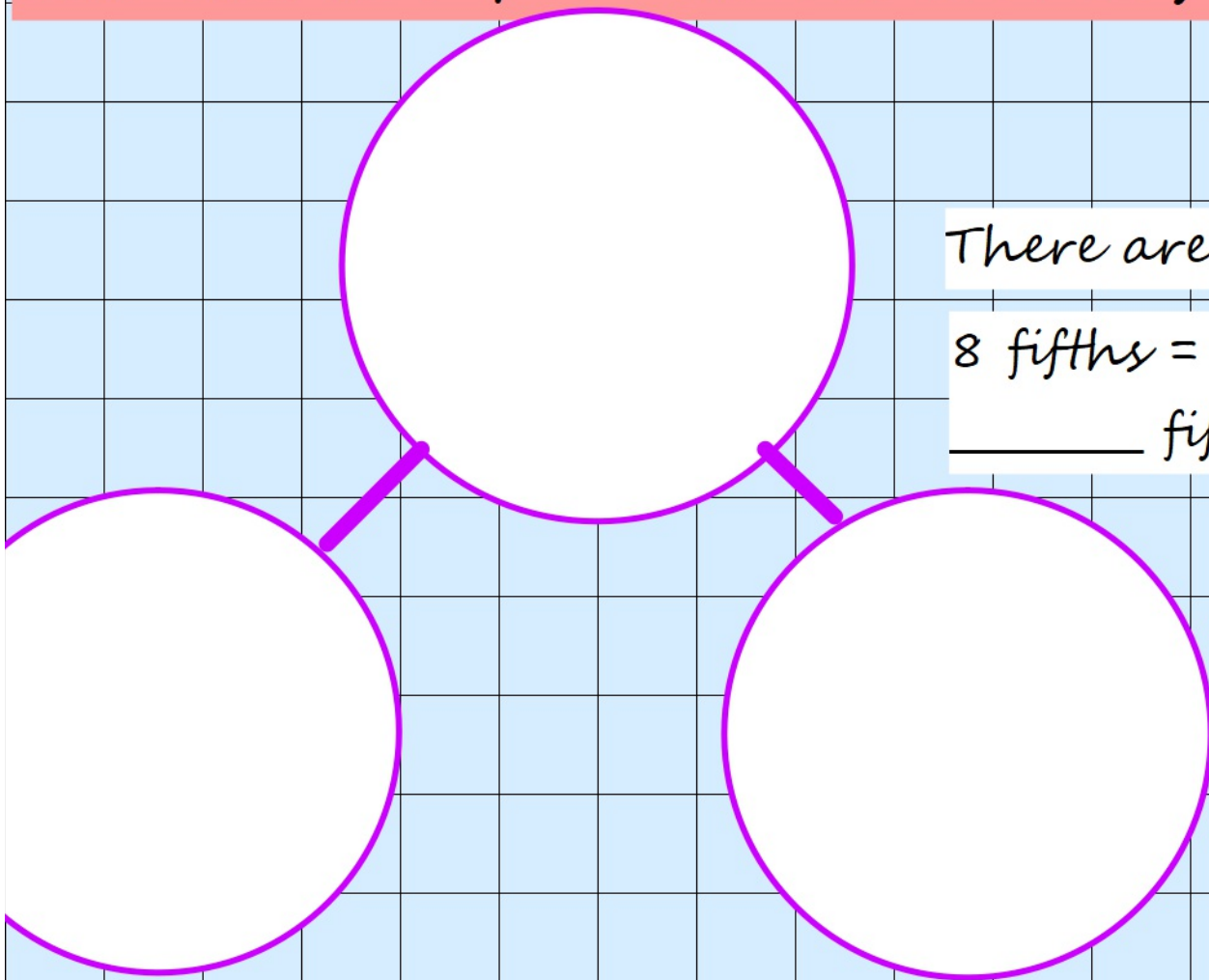


Lets create a part whole model for

$$\frac{8}{5}$$

There are ____ fifths altogether.

8 fifths = _____ whole and
_____ fifths.



Lets create a part whole model for

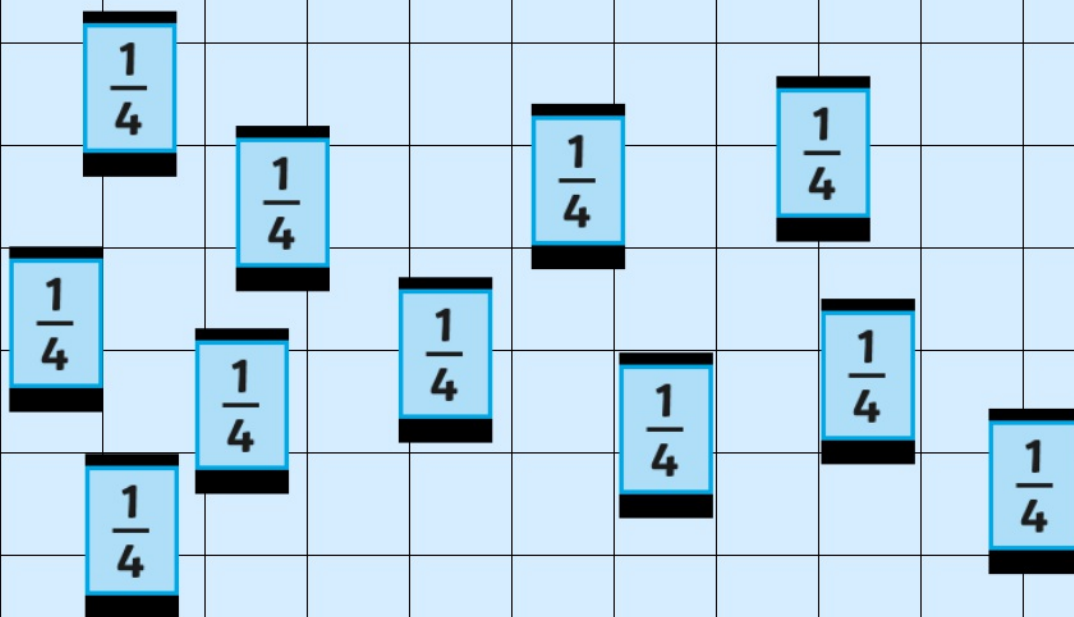
$$\frac{8}{5}$$

There are 8 fifths altogether.

8 fifths = 1 whole and 3 fifths.

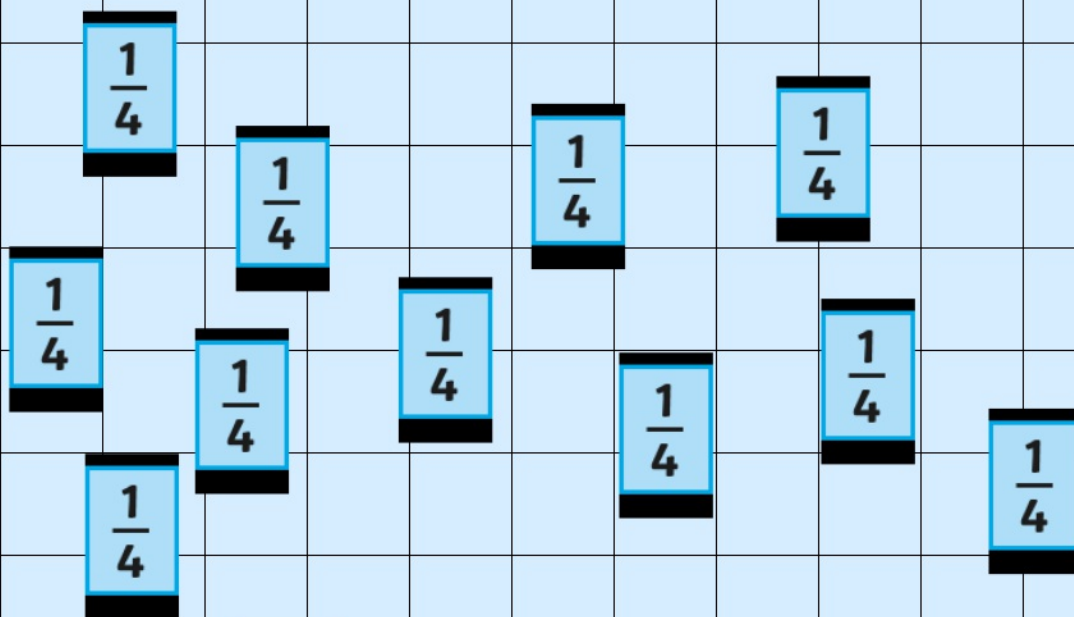
$$\frac{5}{5} = 1$$

$$\frac{3}{5}$$



There are ____ quarters altogether.

____ quarters = ____ whole ones and ____ quarter.

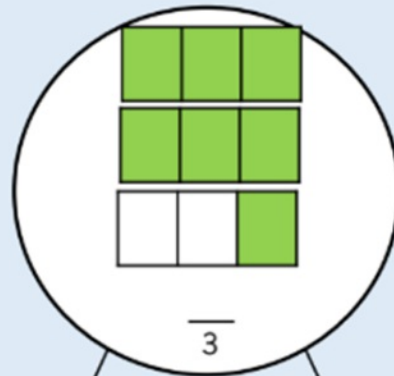


There are 11 quarters altogether.
8 quarters = 2 whole ones and 3 quarters.

Write sentences to describe the part whole model.

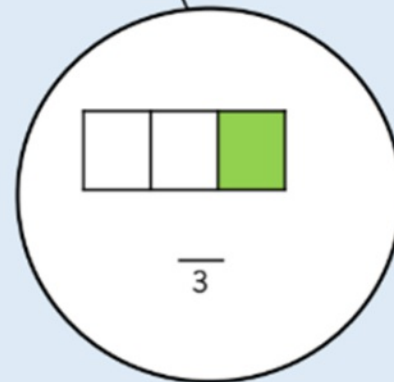
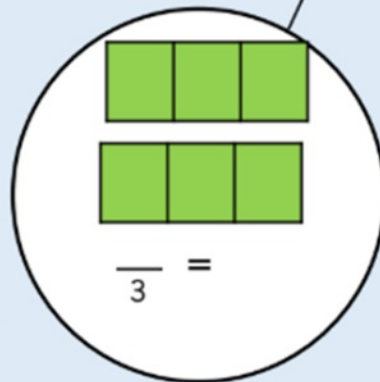
Greater than 1

4



There are thirds altogether.

thirds = whole and thirds.





Mild: Represent fractions in part whole method.

Complete sentence for each.

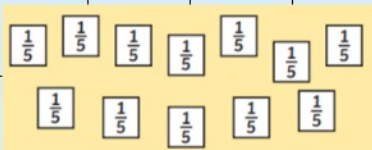
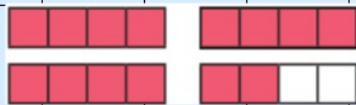
There are _____

_____.

There are _____ whole and

_____.

Represent.



7 thirds

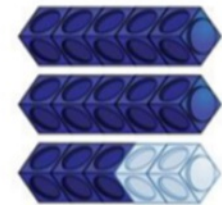
8 fifths

9 quarters

13 quarters

Extension:

Spot the mistake.



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



Spicy:

$$\frac{19}{5} = \frac{15}{5} + \frac{\square}{5} = \square \frac{\square}{5}$$

How can we use our multiples of 5 to help us?



Spicy:

Represent and calculate:

$$\frac{13}{4}$$

$$\frac{23}{5}$$

$$\frac{17}{3}$$

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

$$\frac{9}{2}$$

Extension

$$\frac{10}{3} = \frac{9}{3} + \frac{\square}{3} = 3\frac{\square}{3}$$

$$\frac{\square}{3} = \frac{6}{3} + \frac{2}{3} = \square\frac{2}{3}$$

$$\frac{\square}{8} = \frac{16}{8} + \frac{3}{8} = \square\frac{\square}{8}$$

DRAW them if you need to.

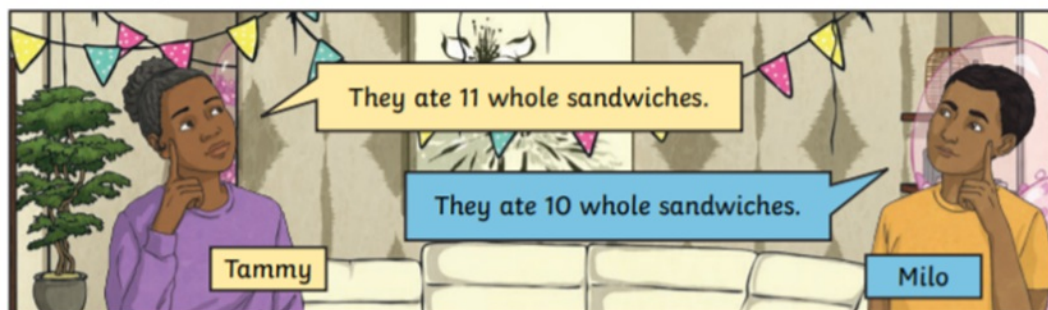
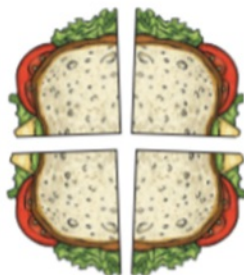
Explain how our multiplication can help us:

For the fraction to be greater than 1, the numerator must be _____ than the denominator.



HHH:

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?



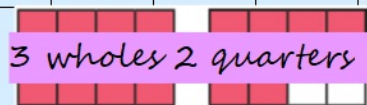
ANSWER
PROVE
EXPLAIN!



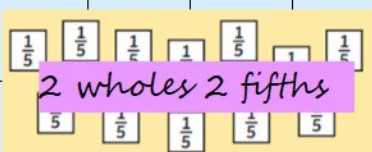
Mild: Represent fractions in part whole method.

ANSWERS:

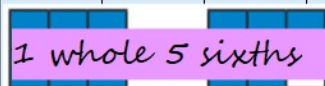
Represent.



3 wholes 2 quarters



2 wholes 2 fifths



1 whole 5 sixths

7 thirds

2 wholes 1 third

9 quarters

2 wholes 1 quarter

8 fifths

1 whole 3 fifths

13 quarters

3 wholes 1 quarter

Complete sentence for each.

There are _____

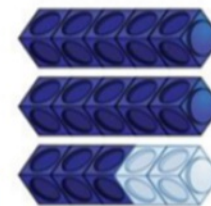
_____.

There are _____ whole and

_____.

Extension:

Spot the mistake.



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



Spicy:

ANSWERS:

Extension

Represent and calculate:

$$\frac{13}{4}$$

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

$$\frac{23}{5}$$

$$4 \frac{3}{5}$$

$$\frac{17}{3}$$

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

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

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

$$\frac{9}{2}$$

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

$$\frac{10}{3} = \frac{9}{3} + \frac{1}{3} = 3 \frac{1}{3}$$

$$\frac{8}{3} = \frac{6}{3} + \frac{2}{3} = 2 \frac{2}{3}$$

$$\frac{19}{8} = \frac{16}{8} + \frac{3}{8} = 2 \frac{3}{8}$$

DRAW them if you need to.

Explain how our multiplication can help us:

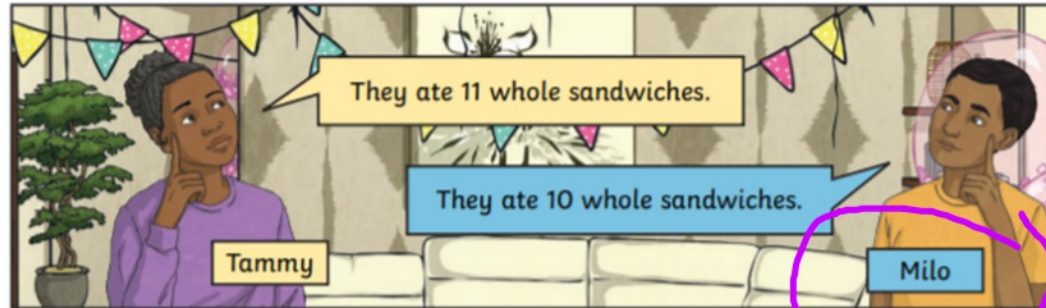
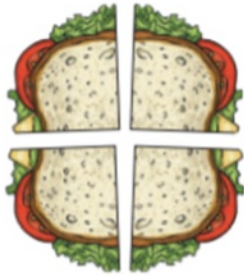
For the fraction to be greater than 1, the numerator must be
_____ than the denominator.



HHH:

ANSWERS:

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?



ANSWER
PROVE
EXPLAIN!

$$42 \div 4 = 10r2$$