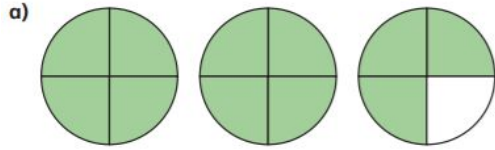
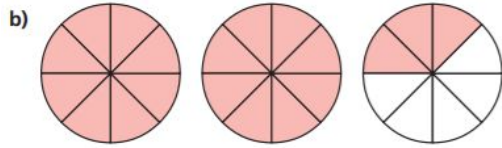


Monday- Yr 5 Maths - All

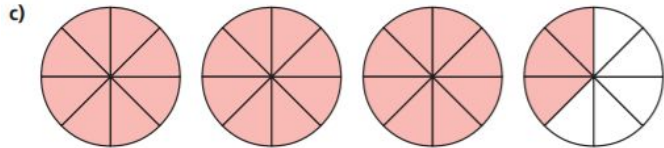
Convert the mixed numbers to improper fractions.



$$2\frac{3}{4} = \frac{\boxed{}}{4}$$



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



$$3\frac{3}{8} = \frac{\boxed{}}{8}$$

Convert the mixed numbers to improper fractions.

Write the next conversion in each part.

a) $2\frac{1}{7} = \frac{\boxed{}}{\boxed{}}$

$2\frac{2}{7} = \frac{\boxed{}}{\boxed{}}$

$2\frac{3}{7} = \frac{\boxed{}}{\boxed{}}$

$\frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$

c) $5\frac{1}{2} = \frac{\boxed{}}{\boxed{}}$

$5\frac{1}{4} = \frac{\boxed{}}{\boxed{}}$

$5\frac{1}{8} = \frac{\boxed{}}{\boxed{}}$

$\frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$

b) $3\frac{1}{5} = \frac{\boxed{}}{\boxed{}}$

$4\frac{1}{5} = \frac{\boxed{}}{\boxed{}}$

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

$\frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$

Here are 4 whole pizzas and $\frac{3}{5}$ of a pizza.



How many children can have $\frac{1}{5}$ of a pizza?

Monday - Yr 5 Maths - **

Whitney is converting mixed numbers to improper fractions.



$$4\frac{1}{7} = \frac{28}{7}$$



Do you agree with Whitney? _____

Explain your answer.

A diagram showing a yellow circle and a yellow triangle. The circle is followed by the fraction $\frac{3}{5}$, and the triangle is followed by the fraction $\frac{1}{5}$. An equals sign is between the two fractions. The entire diagram is enclosed in a rectangular box.

The table shows some possible values of the circle.

Use this to find the corresponding value of the triangle.

	
1	
2	
4	
8	
16	
	88
	803

Monday - Yr 5 Maths - ***

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



Annie

$$3\frac{2}{5} = \frac{6}{15}$$



Mo

$$3\frac{2}{5} = \frac{15}{5}$$



Dexter

$$3\frac{2}{5} = \frac{32}{5}$$

What mistake has each child made?

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.

Tuesday - Yr 5 Maths - All

Use bar models to compare $\frac{5}{8}$ and $\frac{3}{4}$



$$\square > \square$$

$$\square < \square$$

Use this method to help you compare:

$\frac{5}{6}$ and $\frac{2}{3}$ $\frac{2}{3}$ and $\frac{5}{9}$ $\frac{7}{16}$ and $\frac{3}{8}$

Use common numerators to help you compare $\frac{2}{5}$ and $\frac{2}{3}$



$$\square > \square$$

$$\square < \square$$

Use this method to help you compare:

$\frac{6}{7}$ and $\frac{6}{8}$ $\frac{4}{9}$ and $\frac{4}{5}$ $\frac{4}{11}$ and $\frac{2}{5}$

Write $<$, $>$ or $=$ to compare the fractions.

a) $\frac{1}{5}$ ○ $\frac{4}{15}$

g) $\frac{2}{9}$ ○ $\frac{1}{3}$

b) $\frac{2}{5}$ ○ $\frac{4}{15}$

h) $\frac{4}{9}$ ○ $\frac{1}{3}$

c) $\frac{2}{5}$ ○ $\frac{6}{15}$

i) $\frac{4}{12}$ ○ $\frac{1}{3}$

d) $\frac{2}{3}$ ○ $\frac{6}{15}$

j) $\frac{8}{12}$ ○ $\frac{2}{3}$

e) $\frac{2}{3}$ ○ $\frac{6}{12}$

k) $\frac{8}{12}$ ○ $\frac{3}{3}$

f) $\frac{2}{3}$ ○ $\frac{6}{9}$

l) $\frac{8}{12}$ ○ $\frac{3}{4}$

Tuesday - Yr 5 Maths - ** and ***

What could the missing numerators and denominators be?

Write a number in each box to make the statements correct.

a) $\frac{\square}{5} < \frac{5}{15}$

d) $\frac{\square}{3} < \frac{5}{6}$

g) $\frac{6}{9} < \frac{5}{\square}$

b) $\frac{\square}{6} < \frac{5}{12}$

e) $\frac{3}{5} < \frac{5}{\square}$

h) $\frac{10}{12} < \frac{5}{\square}$

c) $\frac{\square}{12} < \frac{5}{6}$

f) $\frac{5}{6} < \frac{5}{\square}$

i) $\frac{23}{24} < \frac{5}{\square}$

What could the missing numerator be?

$$\frac{3}{5} < \frac{\square}{15} < \frac{9}{10}$$

Write all four possibilities.

$$\frac{\square}{15}$$

$$\frac{\square}{15}$$

$$\frac{\square}{15}$$

$$\frac{\square}{15}$$

Write the fractions in ascending order.

a) $\frac{2}{5}, \frac{2}{7}, \frac{2}{3}, \frac{2}{4}, \frac{2}{10}$

--	--	--	--	--

b) $\frac{2}{3}, \frac{5}{9}, \frac{1}{9}, \frac{5}{6}, \frac{2}{9}$

--	--	--	--	--

c) $\frac{3}{5}, \frac{7}{10}, \frac{1}{2}, \frac{3}{10}, \frac{1}{5}$

--	--	--	--	--

d) $\frac{3}{8}, \frac{6}{17}, \frac{12}{30}, \frac{2}{7}, \frac{1}{3}$

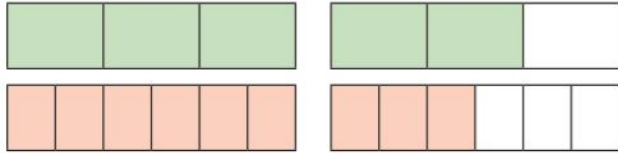
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Wednesday - Yr 5 Maths - All

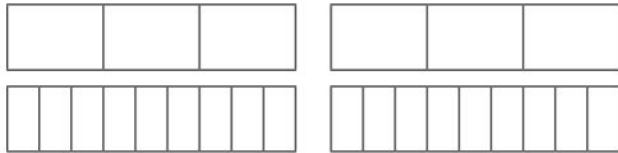
Write $<$, $>$ or $=$ to compare the fractions.

Use the bar models to help you.

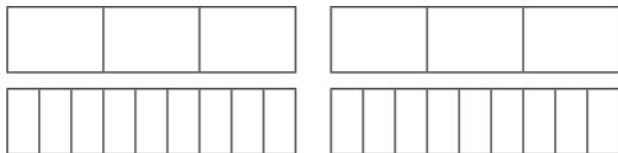
a) $\frac{5}{3}$ ○ $\frac{9}{6}$



b) $\frac{5}{3}$ ○ $\frac{15}{9}$



c) $\frac{4}{3}$ ○ $\frac{13}{9}$



Write $<$, $>$ or $=$ to compare the fractions.

a) $\frac{7}{4}$ ○ $\frac{12}{8}$

d) $\frac{10}{6}$ ○ $\frac{5}{3}$

g) $\frac{18}{8}$ ○ $\frac{32}{16}$

b) $\frac{7}{4}$ ○ $\frac{22}{12}$

e) $\frac{10}{6}$ ○ $\frac{5}{2}$

h) $\frac{18}{8}$ ○ $\frac{9}{4}$

c) $\frac{22}{12}$ ○ $\frac{10}{6}$

f) $\frac{5}{2}$ ○ $\frac{18}{8}$

i) $\frac{9}{4}$ ○ $\frac{18}{2}$

Filip has $3\frac{3}{16}$ bottles of juice.

Scott has $3\frac{1}{4}$ bottles of juice.

Who has more juice?

_____ has more juice.

Wednesday - Yr 5 Maths - ** and ***

Alex and Dora each have two identical cakes.

Alex cuts each of her cakes into 6 equal pieces and gives 10 of her friends a piece each.



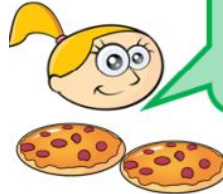
Dora cuts each of her cakes into 12 equal pieces and gives 18 of her friends a piece each.



Who has more cake left?

Eva and Alex each have two identical pizzas.

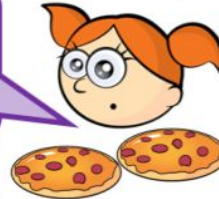
Eva says,



I have cut each pizza into 6 equal pieces and eaten 8

Alex says,

I have cut each pizza into 9 equal pieces and eaten 15



Who ate the most pizza?

Use a drawing to support your answer.

Dora looks at the fractions $1\frac{7}{12}$ and $1\frac{3}{4}$

She says,



$1\frac{7}{12}$ is greater than $1\frac{3}{4}$ because the numerator is larger

Do you agree?

Explain why using a model.

Thursday - Yr 5 Maths - All

Complete the calculations.

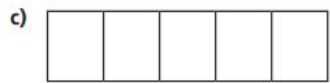
Use the bar models to help you.



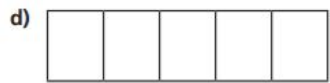
$$\frac{4}{5} + \frac{3}{5} = \square = \square$$



$$\frac{6}{5} + \frac{3}{5} = \square = \square$$



$$\frac{8}{5} - \frac{6}{5} = \square$$



$$\frac{9}{5} - \frac{3}{5} = \square = \square$$

Complete the calculations.

a) $\frac{4}{7} + \frac{2}{7} = \square$

b) $\frac{4}{7} + \frac{3}{7} = \square = \square$

c) $\frac{4}{7} + \frac{4}{7} = \square = \square$

d) $\frac{8}{7} - \frac{3}{7} = \square$

e) $\frac{7}{9} + \frac{8}{9} = \square = \square$

f) $\frac{17}{9} - \frac{8}{9} = \square = \square$

g) $\frac{16}{9} - \frac{8}{9} = \square$

h) $\frac{7}{9} + \frac{2}{9} + \frac{8}{9} = \square = \square$

i) $\frac{7}{15} + \frac{2}{15} + \frac{8}{15} = \square = \square$

j) $\frac{7}{15} - \frac{2}{15} + \frac{8}{15} = \square$

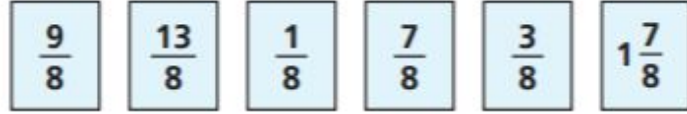
Thursday - Yr 5 Maths - ** and ***

Dora has $2\frac{3}{8}$ litres of juice.

She pours out $\frac{9}{8}$ litres of juice.

How many litres of juice does she have left?

Here are some fraction cards.



Use the cards to write pairs of fractions with a total of 2

Dora has litres left.

$$\square + \square = 2$$

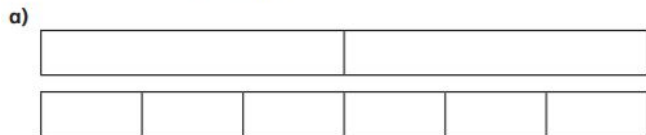
$$\square + \square = 2$$

$$\square + \square = 2$$

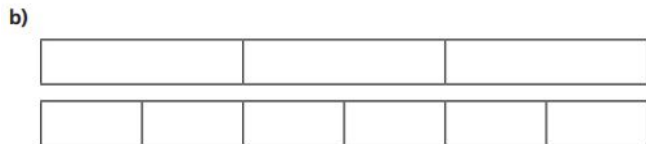
Friday - Yr 5 Maths - All

Complete the additions.

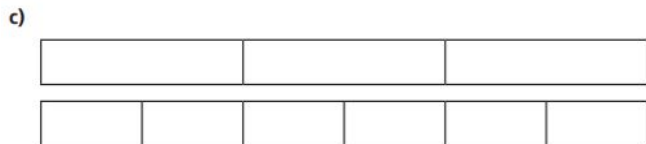
Use the bar models to help you.



$$\frac{1}{2} + \frac{1}{6} = \square$$



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



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

Match the additions that have the same answer.

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

$$\frac{2}{3} + \frac{1}{12}$$

$$\frac{5}{6} + \frac{1}{12}$$

$$\frac{1}{2} + \frac{1}{12}$$

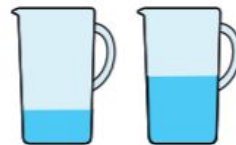
$$\frac{10}{12} + \frac{1}{12}$$

$$\frac{6}{12} + \frac{1}{12}$$

$$\frac{9}{12} + \frac{1}{12}$$

$$\frac{8}{12} + \frac{1}{12}$$

Here are two jugs.



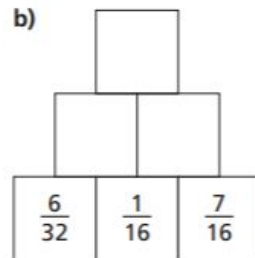
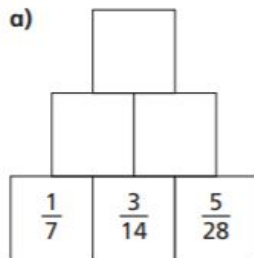
One jug contains $\frac{5}{18}$ litres of water.

The other jug contains $\frac{4}{9}$ litres of water.

How many litres of water are there altogether?

There are litres of water altogether.

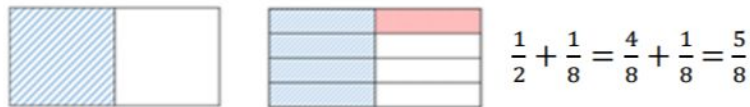
Complete the addition pyramids.



Friday - Yr 5 Maths - ** and ***

Mo is calculating $\frac{1}{2} + \frac{1}{8}$

He uses a diagram to represent the sum.



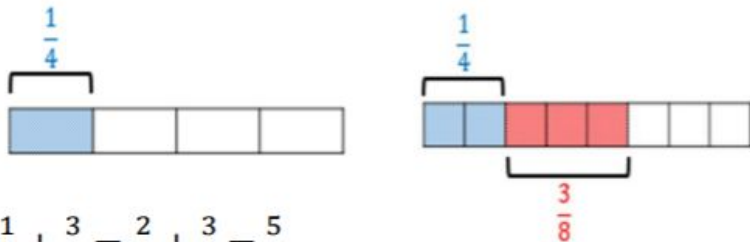
Use Mo's method to solve:

$$\frac{1}{2} + \frac{3}{8}$$

$$\frac{1}{4} + \frac{3}{8}$$

$$\frac{7}{10} + \frac{1}{5}$$

Rosie is using a bar model to solve $\frac{1}{4} + \frac{3}{8}$



$$\frac{1}{4} + \frac{3}{8} = \frac{2}{8} + \frac{3}{8} = \frac{5}{8}$$

Use a bar model to solve:

$$\frac{1}{6} + \frac{5}{12}$$

$$\frac{2}{9} + \frac{1}{3}$$

$$\frac{1}{3} + \frac{4}{15}$$

A chocolate bar has 12 equal pieces.

Amir eats $\frac{5}{12}$ more of the bar than Whitney.

There is one twelfth of the bar remaining.

What fraction of the bar does Amir eat?

What fraction of the bar does Whitney eat?

How many different ways can you balance the equation?

$$\frac{5}{9} + \frac{\square}{9} = \frac{8}{9} + \frac{\square}{9}$$