

Year 5 Maths - Fractions, Week Beginning 11th January
- Blue Group

These tasks are to go alongside the zoom maths lesson. A copy of the teaching slides are also available on the website.

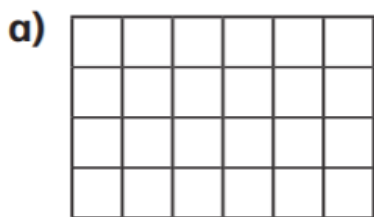
Wednesday

These are the questions you should be completing during our fractions work this week. There is a separate answers sheet which you can use to mark your work.

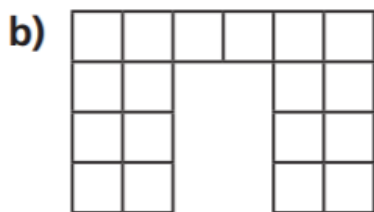
Task 1

Colour $\frac{1}{2}$ of each shape.

Use the shapes to help you complete the number sentences.



$$\frac{1}{2} \text{ of } \square = \square$$



$$\frac{1}{2} \text{ of } \square = \square$$

Task 2

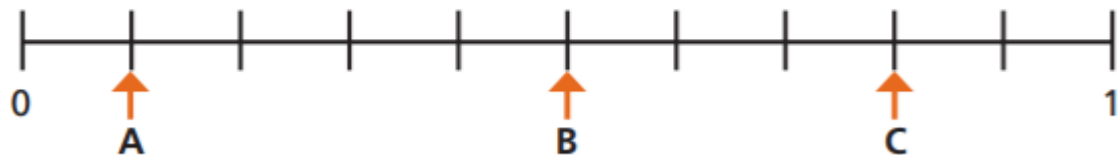
$\frac{2}{7}$ of a group of children are girls.



What fraction are boys?

Task 3

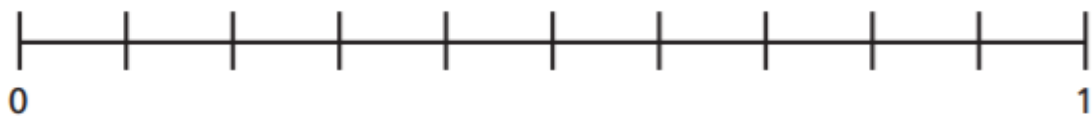
What fraction is each arrow pointing to?



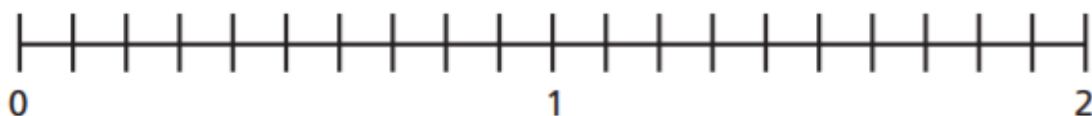
Task 4

Write the fractions in the correct places on the number lines.

- a) $\frac{5}{10}$ $\frac{9}{10}$ $\frac{3}{10}$ $\frac{10}{10}$

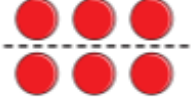
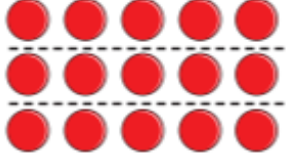
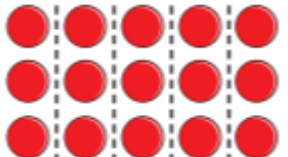


- b) $\frac{6}{10}$ $\frac{14}{10}$ $\frac{18}{10}$



Task 5

Complete the table.

Fraction	Division	Example	Drawing
one half	divide by 2	$\frac{1}{2}$ of 6 = 3	
one quarter		$\frac{1}{4}$ of 8 = 2	
			
			

Task 6

Shade the bar models to represent the equivalent fractions.

a)



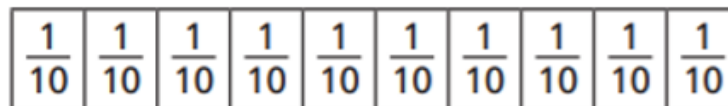
$$\frac{1}{2} = \frac{3}{6}$$



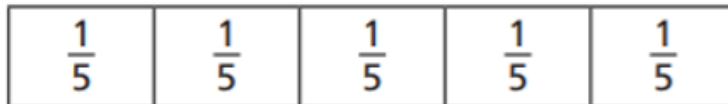
b)



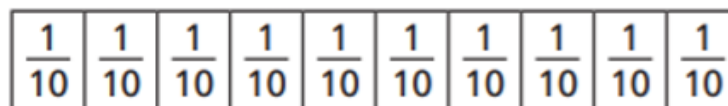
$$\frac{1}{2} = \frac{5}{10}$$



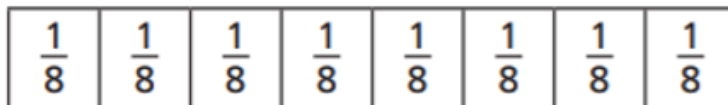
c)



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



d)



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



Task 7

Use the fraction wall to complete the equivalent fractions.

$\frac{1}{2}$				$\frac{1}{2}$			
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

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

Task 8

a) Label the fractions on the fraction wall.

1							

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

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

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

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

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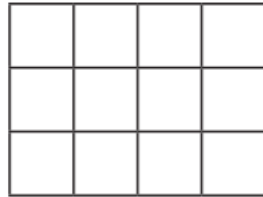
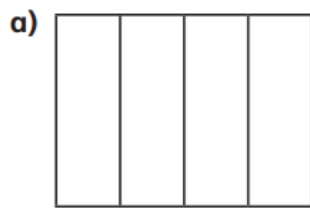
Task 1

1

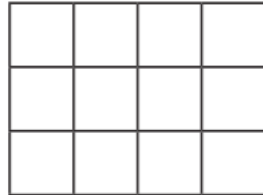
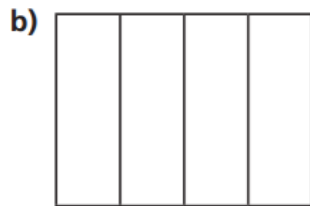
Take two pieces of paper the same size.
Fold on piece into two equal pieces.
Fold the other into eight equal pieces.
What equivalent fractions can you find?

Task 2

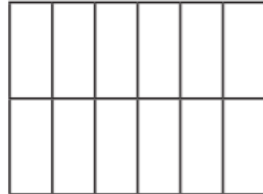
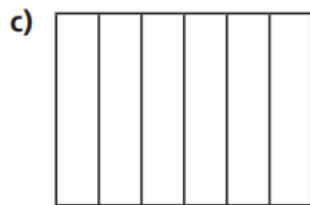
Shade the shapes to show the equivalent fractions.



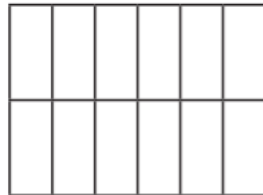
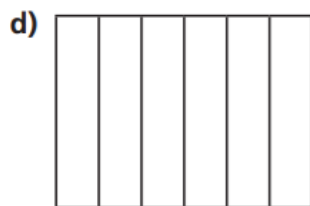
$$\frac{1}{4} = \frac{\boxed{}}{12}$$



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



$$\frac{1}{6} = \frac{\boxed{}}{\boxed{}}$$

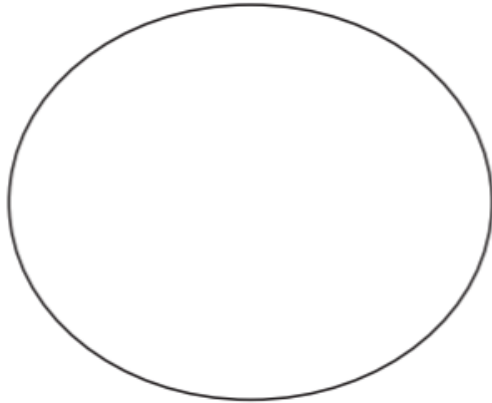


$$\frac{5}{6} = \frac{\boxed{}}{\boxed{}}$$

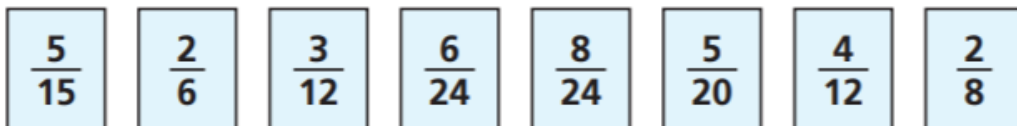
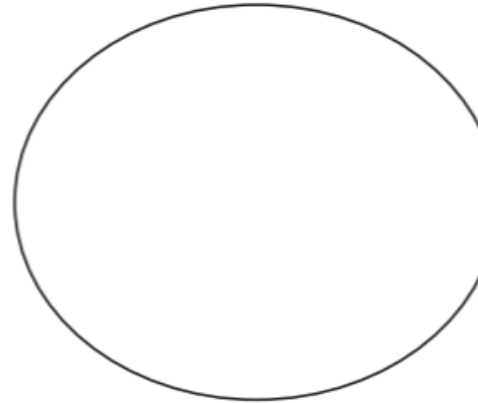
Task 3

a) Sort the fractions into the groups.

Equivalent to $\frac{1}{4}$



Equivalent to $\frac{1}{3}$



Task 4

Complete the equivalent fractions.

a) $\frac{1}{7} = \frac{\square}{14}$

d) $\frac{3}{4} = \frac{6}{\square}$

g) $\frac{2}{\square} = \frac{10}{15}$

b) $\frac{5}{7} = \frac{\square}{14}$

e) $\frac{3}{4} = \frac{12}{\square}$

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

c) $\frac{7}{8} = \frac{14}{\square}$

f) $\frac{3}{4} = \frac{\square}{12}$

i) $\frac{2}{7} = \frac{10}{\square}$

Task 5

Complete the following fractions to make the fractions equivalent.

1.

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

2.

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

3.

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

4.

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

5.

$$\frac{7}{\square} = \frac{14}{16}$$

6.

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

7.

$$\frac{\square}{6} = \frac{4}{24}$$

8.

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

Task 6

Ron is finding equivalent fractions to $\frac{1}{4}$



$\frac{1}{4}$ is equivalent to $\frac{5}{8}$
and $\frac{9}{12}$

Do you agree with Ron?