

Year 5 Maths - Fractions, Week Beginning 11th January -Green 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.

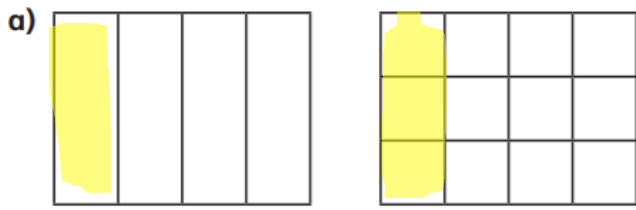
Task 1

- 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?

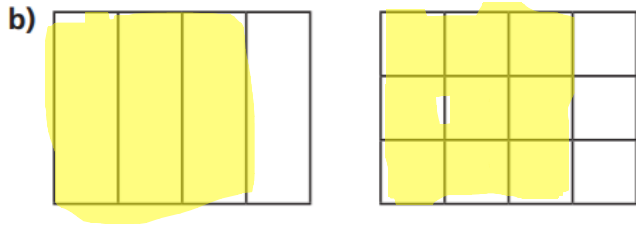
There are lots of possibilities here and we're looking forward to seeing what you come up with

Task 2

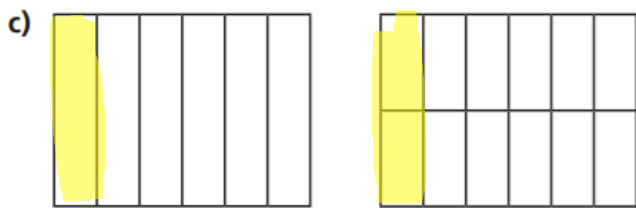
Shade the shapes to show the equivalent fractions.



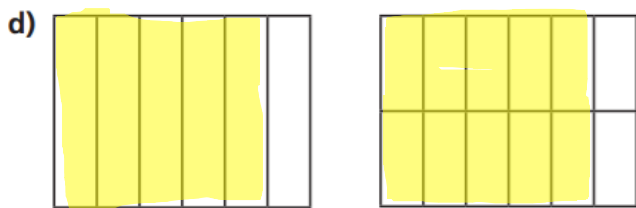
$$\frac{1}{4} = \frac{\boxed{3}}{12}$$



$$\frac{3}{4} = \frac{\boxed{9}}{12}$$



$$\frac{1}{6} = \frac{\boxed{2}}{12}$$

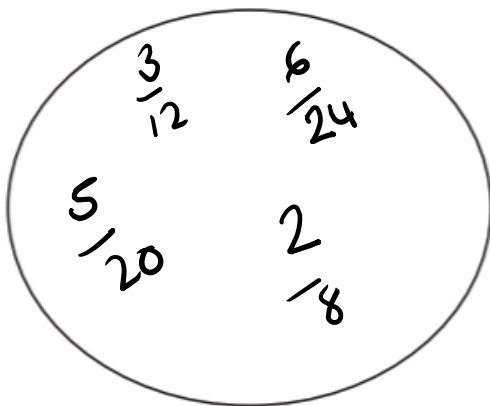


$$\frac{5}{6} = \frac{\boxed{10}}{12}$$

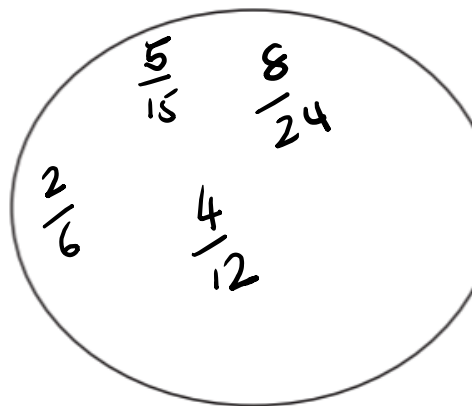
Task 3

a) Sort the fractions into the groups.

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



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



$$\frac{5}{15}$$

$$\frac{2}{6}$$

$$\frac{3}{12}$$

$$\frac{6}{24}$$

$$\frac{8}{24}$$

$$\frac{5}{20}$$

$$\frac{4}{12}$$

$$\frac{2}{8}$$

Task 4

Complete the equivalent fractions.

$$\text{a) } \frac{1}{7} = \frac{\boxed{2}}{14}$$

$$\text{d) } \frac{3}{4} = \frac{6}{\boxed{8}}$$

$$\text{g) } \frac{2}{\boxed{5}} = \frac{10}{15}$$

$$\text{b) } \frac{5}{7} = \frac{\boxed{10}}{14}$$

$$\text{e) } \frac{3}{4} = \frac{12}{\boxed{16}}$$

$$\text{h) } \frac{2}{\boxed{3}} = \frac{10}{25}$$

$$\text{c) } \frac{7}{8} = \frac{14}{\boxed{16}}$$

$$\text{f) } \frac{3}{4} = \frac{\boxed{9}}{12}$$

$$\text{i) } \frac{2}{7} = \frac{10}{\boxed{14}}$$

Task 5

Complete the following fractions to make the fractions equivalent.

1.

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

2.

$$\frac{3}{\boxed{5}} = \frac{6}{10}$$

3.

$$\frac{3}{4} = \frac{12}{\boxed{16}}$$

4.

$$\frac{\boxed{3}}{10} = \frac{1}{2}$$

5.

$$\frac{7}{\boxed{8}} = \frac{14}{16}$$

6.

$$\frac{2}{3} = \frac{\boxed{8}}{12}$$

7.

$$\frac{\boxed{1}}{6} = \frac{4}{24}$$

8.

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

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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

a.) Find equivalent fractions for

$\frac{2}{5}$, $\frac{3}{5}$ and $\frac{4}{5}$ where the denominator is 10.

$$\frac{4}{10} \quad \frac{6}{10} \quad \frac{8}{10} \quad \begin{array}{c} \text{---} \quad \text{---} \\ \text{---} \quad \text{---} \end{array}$$

b.) Find equivalent fractions for

$\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ where the denominator is 12.

$$\frac{3}{12} \quad \frac{6}{12}$$
$$\frac{9}{12}$$

Task 2

a. Here are some equivalent fractions.

Find the values of A, B and C.

$$\frac{A}{9} \quad \frac{3}{B} \quad \frac{2}{18} \quad \frac{C}{90}$$

b. Here are three fraction cards.

All the fractions are equivalent.

$$\frac{3}{A} \quad \frac{B}{14} \quad \frac{12}{C}$$

$$A + B = 13$$

Work out the value of C.

$$A = 1$$

$$B = 27$$

$$C = 18$$

$$\frac{3}{7} \quad \frac{6}{14}$$

$$C = 28$$

Task 3

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?

No



Task 4

True or False ?

True

$$\frac{81}{126} = \frac{9}{14}$$

$$\begin{aligned} 126 \div 14 & \\ &= 9 \\ 81 \div 9 &= 9 \end{aligned}$$