

Year 5 Maths - Fractions, Week Beginning 11th January

-Purple 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

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

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

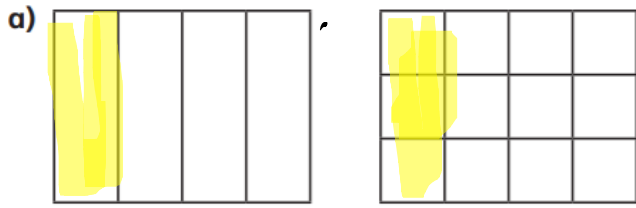
6. $\frac{2}{3} = \frac{\boxed{9}}{12}$

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

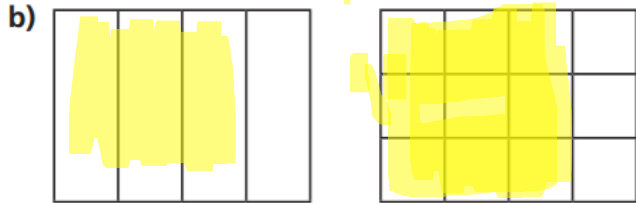
8. $\frac{1}{8} = \frac{2}{\boxed{16}}$

Task 2

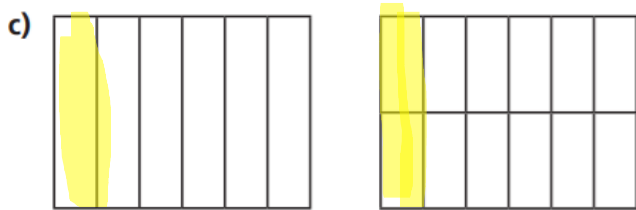
Shade the shapes to show the equivalent fractions.



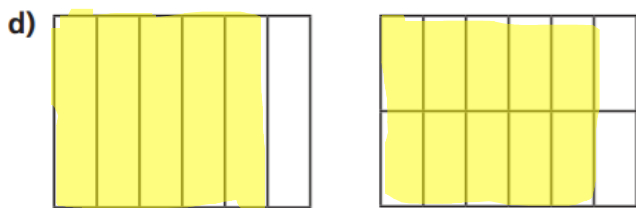
$$\frac{1}{4} = \frac{3}{12}$$



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



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

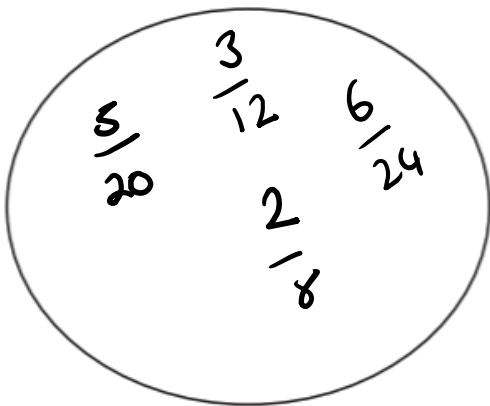


$$\frac{5}{6} = \frac{10}{12}$$

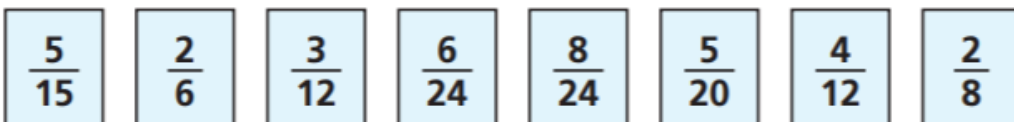
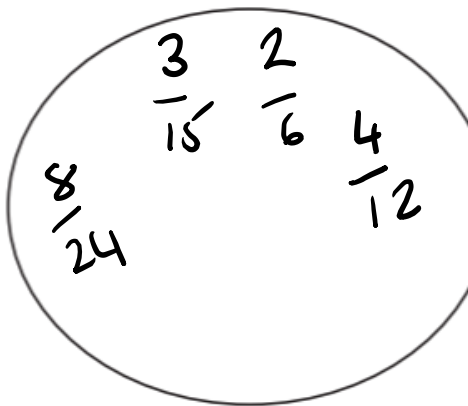
Task 3

a) Sort the fractions into the groups.

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



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



Task 4

Complete the equivalent fractions.

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

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

$$\text{g) } \frac{2}{\boxed{3}} = \frac{10}{15}$$

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

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

$$\text{h) } \frac{2}{\boxed{5}} = \frac{10}{25}$$

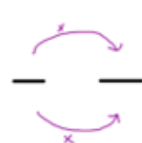
$$\text{c) } \frac{7}{8} = \frac{14}{\boxed{16}}$$

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

$$\text{i) } \frac{2}{7} = \frac{10}{\boxed{35}}$$

Task 5

a.) Find equivalent fractions for $\frac{2}{5}$, $\frac{3}{5}$ and $\frac{4}{5}$ where the denominator is 10.


$$\frac{4}{10} \quad \frac{6}{10} \quad \frac{8}{10}$$

b.) Find equivalent fractions for $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ where the denominator is 12.

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

Task 6

True or False ?

True

$$81 \div 9 = 9$$

$$126 \div 9 = 14$$

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

Task 2

a. Here are some equivalent fractions.

Find the values of A, B and C.

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

$A = 1$
 $B = 27$
 $C = 10$

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.

$\frac{3}{7} \quad \frac{6}{14}$
 $C = 28$

Task 3

$$\frac{16}{49}$$

A square is divided into smaller squares.

What fraction is shaded?

