

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

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

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

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

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


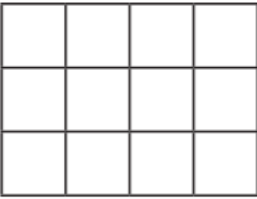
6. $\frac{2}{3} = \frac{\square}{12}$


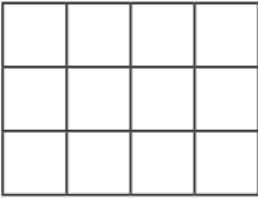
7. $\frac{\square}{6} = \frac{4}{24}$

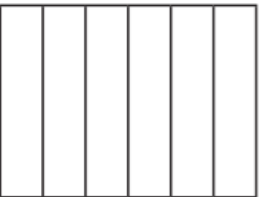
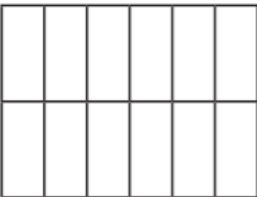
8. $\frac{1}{8} = \frac{2}{\square}$

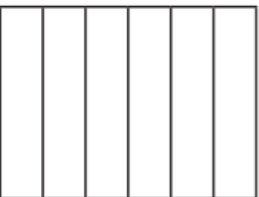
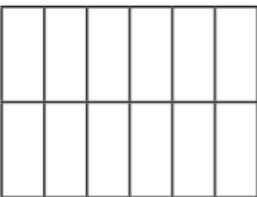
Task 2

Shade the shapes to show the equivalent fractions.

a)   $\frac{1}{4} = \frac{\square}{12}$

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

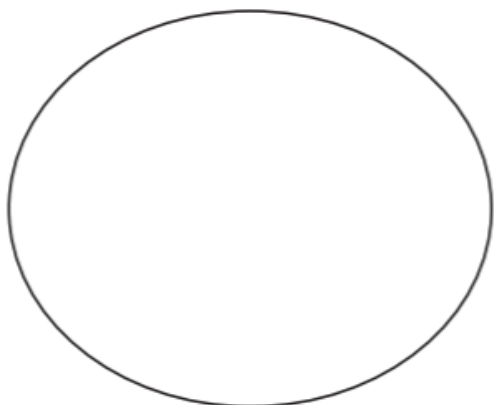
c)   $\frac{1}{6} = \frac{\square}{\square}$

d)   $\frac{5}{6} = \frac{\square}{\square}$

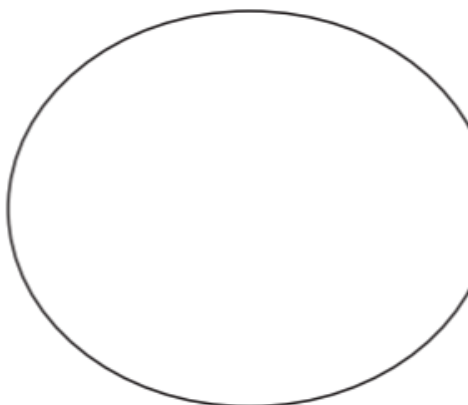
Task 3

a) Sort the fractions into the groups.

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



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



$\frac{5}{15}$	$\frac{2}{6}$	$\frac{3}{12}$	$\frac{6}{24}$	$\frac{8}{24}$	$\frac{5}{20}$	$\frac{4}{12}$	$\frac{2}{8}$
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Task 4

Complete the equivalent fractions.

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

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

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

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

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

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

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

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

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

Task 5

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



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

Task 6

True or False ?

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

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Task 1

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?

Task 2

a. Here are some equivalent fractions.

Find the values of A, B and C.

$$\frac{A}{9}$$

$$\frac{3}{B}$$

$$\frac{2}{18}$$

$$\frac{C}{90}$$

b. Here are three fraction cards.

All the fractions are equivalent.

$$\frac{3}{A}$$

$$\frac{B}{14}$$

$$\frac{12}{C}$$

$$A + B = 13$$

Work out the value of C.

Task 3

A square is divided into smaller squares.

What fraction is shaded?

