Friday 1st May

L.K: To test our knowledge of equivalent fractions

Name: _____

Date: _____

Subject: Year 4 Maths

Sheet: Equivalent fractions

Complete these equivalent fraction chains:

a $\frac{3}{4} = \frac{}{8} = \frac{9}{} = \frac{}{16} = \frac{15}{} = \frac{}{24} = \frac{21}{} = \frac{}{32}$

b $\frac{2}{3} = \frac{}{6} = \frac{6}{} = \frac{}{12} = \frac{10}{} = \frac{}{18} = \frac{14}{} = \frac{}{24}$

Complete these equivalent fractions:

c $\frac{5}{6} = \frac{3}{}$

d $\frac{1}{4} = \frac{}{40}$

e $\frac{2}{7} = \frac{20}{}$

f $\frac{2}{5} = \frac{}{20}$

g $\frac{2}{3} = \frac{}{9}$

h $\frac{1}{2} = \frac{}{16}$

i $\frac{1}{4} = \frac{2}{}$

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

k $\frac{3}{4} = \frac{24}{}$

l $\frac{2}{5} = \frac{12}{}$

m $\frac{1}{2} = \frac{9}{}$

n $\frac{3}{4} = \frac{}{28}$

o $\frac{2}{5} = \frac{}{40}$

p $\frac{2}{3} = \frac{14}{}$

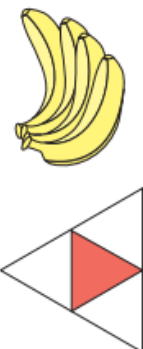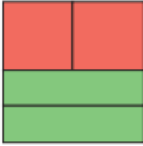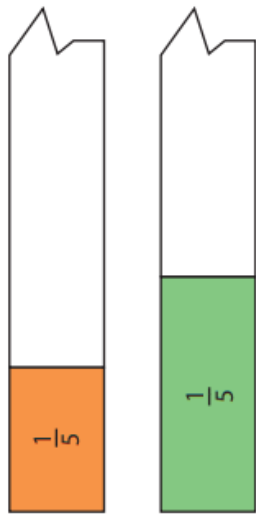q $\frac{3}{5} = \frac{}{60}$

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

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

t $\frac{1}{5} = \frac{}{15}$

u $\frac{4}{5} = \frac{32}{}$

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

Extension Questions:

If you want to, you can further test your knowledge with these Mastery test questions!

Mastery

What's the same? What's different?

Children should be able to express the ideas that:
- *They are all divided into 4 equal parts.*
- *Each part represents a quarter of the whole.*
- *Each of the parts in the triangle are the same shape and area (congruent).*
- *The shapes in the square are different but each has the same area (not congruent).*
- *The bananas represent fractions of quantities.*

Draw diagrams to show two fractions that are equivalent to $\frac{2}{8}$.

8 girls share 6 bars of chocolate equally.
12 boys share 9 bars of chocolate equally.
Who gets more chocolate to eat, each boy or each girl? How do you know?

Draw a diagram to explain your reasoning.

Mastery with Greater Depth

Two paper strips are ripped. Identify which original paper strip is longer.

Explain your answer.

$\frac{1}{5}$

$\frac{1}{5}$

How many ways can you express $\frac{2}{8}$ as a fraction?

8 girls share 6 bars of chocolate equally.
12 boys share 9 bars of chocolate equally.

Clare says each girl got more to eat as there were fewer of them.
Rob says each boy got more to eat as they had more chocolate to share.

Explain why Clare and Rob are both wrong.