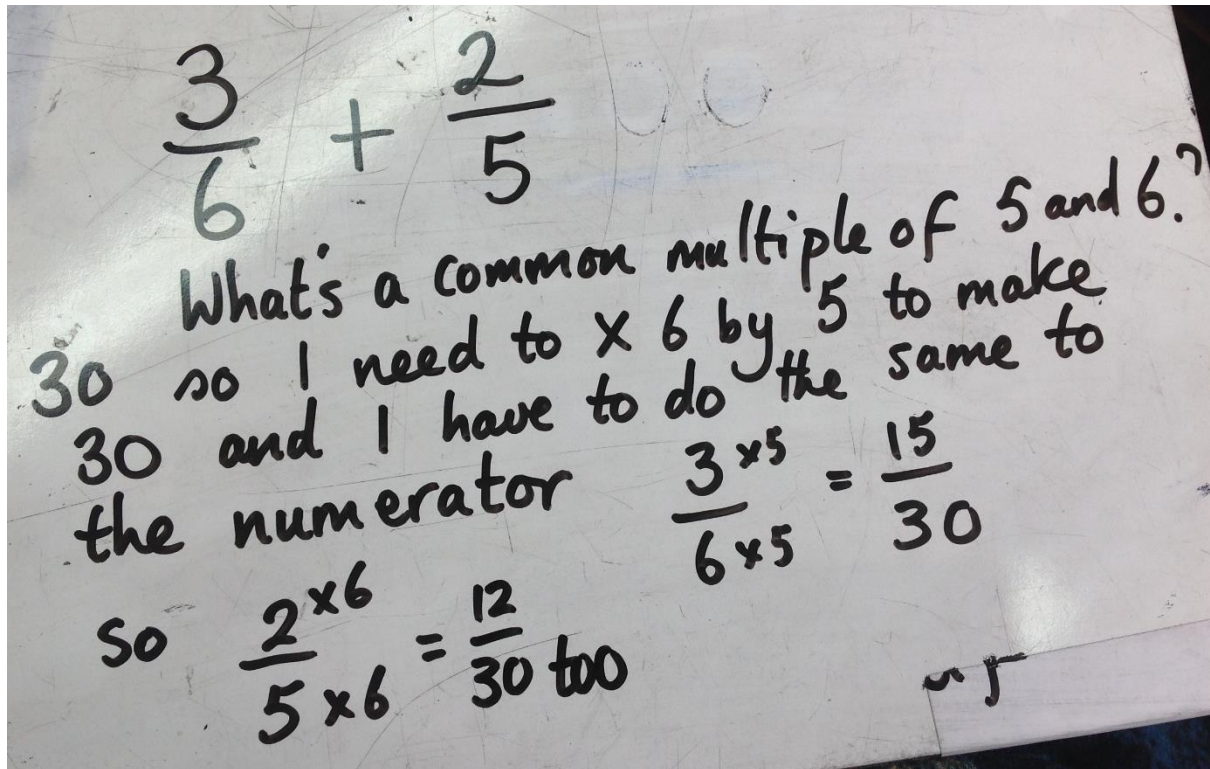


Morning y5 This week we are comparing and ordering

Monday 27th April

Fractions which have denominators that are all multiples of the same number

Remember when converting to the same denominator:



Now look at [Maths is fun common denominators](#)

*Ignore the one step section and footnote please

Now complete pre-assessment-you may well need to find common denominators to find the answers!

Keep scrolling...

Summer 1: Week 2: Pre-Learning Task

The pre-learning task below could be used to assess pupils' starting points within this objective. It needs to be completed by all/ or some of the pupils in advance of the main teaching.

Name

Summer 1: Week 2

Objective:
Fractions

Compare and order fractions whose denominators are all multiples of the same number.

Which is the larger?			Complete the following	
$\frac{7}{16}$	$\frac{3}{8}$		$\frac{7}{8} =$	<input type="text" value="16"/>
$\frac{7}{9}$	$\frac{2}{3}$		$\frac{3}{4} =$	<input type="text" value="12"/>
$\frac{3}{4}$	$\frac{11}{16}$		$\frac{3}{8} =$	<input type="text" value="16"/>
$\frac{1}{5}$	$\frac{4}{15}$		$\frac{1}{5} =$	<input type="text" value="10"/>

Scroll down for **Tuesday**

Tuesday 28th April

Firstly go to [fraction monkeys on maths games.org](http://fractionmonkeys.onmathsgames.org) to revise expressing fractions on a number line and remembering some simple equivalents Then search [creature capture fractions on topmarks](http://creaturecapturefractionsontopmarks) First of all hover over the grass blocks/water blocks/fire blocks to find out how you can trump your partner (or the computer) by dragging certain fractions to the blocks. Every so often there will be a water battle etc..and great visuals to show you exactly why the winner is for example (the largest number or fraction....or the nearest to half..) This is a fun way to compare fractions and revise equivalents

Now complete skills:

On the middle section you need to take each fraction in the row and see it as a different question and find two other equivalents

Complete the following:

$$\frac{1}{2} \quad \frac{\square}{4} \quad \frac{\square}{8} \quad \frac{\square}{16}$$

$$\frac{2}{3} \quad \frac{\square}{6} \quad \frac{\square}{9} \quad \frac{\square}{12}$$

Find two fractions with different denominators which are equivalent to the following fractions:

$$\frac{2}{3} \quad \frac{5}{6} \quad \frac{7}{8} \quad \frac{1}{4} \quad \frac{6}{7}$$

Within each pair of fractions which is the larger?

$$\frac{3}{8} \text{ or } \frac{4}{16} ; \frac{2}{3} \text{ or } \frac{7}{9} ; \frac{5}{6} \text{ or } \frac{11}{12} ; \frac{2}{3} \text{ or } \frac{11}{12}$$



Wednesday 29th April

As multiples knowledge is very important to find common denominators, play [topmarks coconut multiples](#)

Choose multiples of mixed 6-12

Now print out these fraction cards , convert to the same denominator .

These fractions are all out of order. Cut them out and put them in order from smallest to largest. Place any equivalent fractions on top of each other. There is a space for you to rename the fractions on each of the cards if this will help. Share your thinking with a partner.

Have they ordered them the same way?

$\frac{1}{2}$ <input type="text"/> $\frac{\quad}{16}$	$\frac{6}{8}$ <input type="text"/> $\frac{\quad}{16}$	$\frac{1}{4}$ <input type="text"/> $\frac{\quad}{16}$	$\frac{12}{16}$ <input type="text"/> $\frac{\quad}{16}$	$\frac{13}{16}$ <input type="text"/> $\frac{\quad}{16}$	$\frac{15}{16}$ <input type="text"/> $\frac{\quad}{16}$
$\frac{10}{8}$ <input type="text"/> $\frac{\quad}{16}$	$\frac{5}{8}$ <input type="text"/> $\frac{\quad}{16}$	$\frac{10}{16}$ <input type="text"/> $\frac{\quad}{16}$	$\frac{7}{8}$ <input type="text"/> $\frac{\quad}{16}$	$\frac{2}{8}$ <input type="text"/> $\frac{\quad}{16}$	$\frac{5}{16}$ <input type="text"/> $\frac{\quad}{16}$

Finally convert to same denominator if you need to below:

Put the correct symbol < > or = to compare these fractions

$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{3}$	$\frac{3}{6}$	$\frac{4}{6}$	$\frac{9}{12}$	$\frac{11}{10}$	$\frac{3}{5}$
$\frac{3}{8}$	$\frac{9}{16}$	$\frac{2}{6}$	$\frac{5}{12}$	$\frac{1}{3}$	$\frac{3}{6}$	$\frac{5}{8}$	$\frac{3}{4}$

Thursday 30th April

Firs go to practise multiples by searching for

pumpkin multiples maths playground

Use left and right arrows to catch the correct multiples in the ghostie's head basket!

Next work through mastery:

Leave out the top right question beginning put at least 3 ...

On Make this true each pair is a different question

On bottom left question obviously your answers can't have the

same denominators! That would be far too easy!!  !!

If pupils have mastered this objective they will be able to complete these activities independently:

Make these true:

$\frac{\square}{10} > \frac{\square}{5}$;	$\frac{\square}{3} > \frac{\square}{9}$
$\frac{\square}{6} > \frac{\square}{12}$		$\frac{\square}{8} > \frac{\square}{16}$

Put at least 3 multiples into the following boxes.

Multiples of 2	Multiples of 3	Multiples of 5

Make up a pair of equal fractions from each set of multiples.

Find a fraction that is the same as the one shown but has a different denominator.

$\frac{3}{8}$	$\frac{2}{3}$	$\frac{5}{6}$	$\frac{1}{3}$	$\frac{3}{4}$
---------------	---------------	---------------	---------------	---------------

Now find a fraction that is larger than each of the ones shown below:

$\frac{3}{8}$	$\frac{2}{3}$	$\frac{5}{6}$	$\frac{1}{3}$	$\frac{3}{4}$
---------------	---------------	---------------	---------------	---------------

How do you know that they are larger?



Join the fractions to the one that is of the same value:

$\frac{1}{4}$	$\frac{2}{6}$
$\frac{1}{3}$	$\frac{3}{30}$
$\frac{1}{5}$	$\frac{2}{8}$
$\frac{1}{10}$	$\frac{2}{10}$

Friday 1st May

Top left don't set up 5 more examples

Bottom left ..when it says what is the difference you need to explain your answer using same fraction size (e.g denominator)

Activities for pupils working at greater depth:	
Denominator Fun Write down two fractions where the denominator of one is a multiple of the denominator of the other. Work out which is the larger fraction. Explain your reasoning. Now set up another five examples for your friends to complete.	Fraction Problems Tom ate $\frac{11}{16}$ of his pizza and Helen ate $\frac{7}{8}$ of hers. Which of the two had more pizza? Hannah played for $\frac{2}{3}$ of the match and Jemma played for $\frac{5}{6}$ of the match. Who played the longer? Lizzie managed to complete $\frac{3}{4}$ of her exam paper and Tony managed $\frac{7}{8}$. Who did the most?
More or Less Look at these pairs of fractions. What is the difference between them? $\frac{2}{3}$ and $\frac{7}{9}$ $\frac{2}{3}$ and $\frac{11}{12}$ $\frac{5}{6}$ and $\frac{11}{12}$ $\frac{3}{8}$ and $\frac{5}{16}$ $\frac{1}{3}$ and $\frac{1}{6}$ $\frac{1}{4}$ and $\frac{3}{16}$	How much more? How much more do I need to add to $\frac{3}{16}$ to make it $\frac{1}{4}$? Now look at these: How much more: $\frac{2}{3}$  $\frac{7}{9}$ $\frac{5}{6}$  $\frac{11}{12}$

(c) Focus Education (UK) Ltd 158

Scroll down for answers:

Summer Term 1

Week 2

Page 155 Pre-Learning Task

Which is the larger?		Complete the following	
$\frac{7}{16}$ $\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{8} =$	$\frac{14}{16}$
$\frac{7}{9}$ $\frac{2}{3}$	$\frac{7}{9}$	$\frac{3}{4} =$	$\frac{9}{12}$
$\frac{3}{4}$ $\frac{11}{16}$	$\frac{3}{4}$	$\frac{3}{8} =$	$\frac{6}{16}$
$\frac{1}{5}$ $\frac{4}{15}$	$\frac{4}{15}$	$\frac{1}{5} =$	$\frac{2}{10}$

Page 156 Practice and Consolidation

Put sets of multiples together up to 16.

Multiples of 2	Multiples of 3	Multiples of 5
2, 4, 6, 8, 10, 12, 14, 16	3, 6, 9, 12, 15	5, 10, 15

Complete the following:

$1/2$ $2/4$ $4/8$ $8/16$

$2/3$ $4/6$ $6/9$ $8/12$

Find two fractions with different denominators which are equivalent to the following fractions:

$2/3$ **$4/6$** **$6/9$**

$5/6$ **$10/12$** **$15/18$**

$7/8$ **$14/16$** **$21/24$**

$1/4$ **$2/8$** **$4/16$**

$6/7$ **$12/14$** **$18/21$**

Within each pair of fractions which is the larger?

$3/8$

$7/9$

$11/12$

11/12

Page 157 Mastering this Objective

$$\frac{6}{10} > \frac{2}{5}$$
$$\frac{2}{6} > \frac{3}{12}$$

$$\frac{2}{3} > \frac{4}{9}$$
$$\frac{7}{8} > \frac{15}{16}$$

Find a fraction that is the same as the one shown but has a different denominator.

$$\frac{3}{8} \quad \mathbf{\frac{6}{16}}$$
$$\frac{2}{3} \quad \mathbf{\frac{8}{12}}$$
$$\frac{5}{6} \quad \mathbf{\frac{20}{24}}$$
$$\frac{1}{3} \quad \mathbf{\frac{7}{21}}$$
$$\frac{3}{4} \quad \mathbf{\frac{75}{100}}$$

Now find a fraction that is larger than each of the ones shown below:

$$\frac{3}{8} \quad \mathbf{\frac{13}{16}}$$
$$\frac{2}{3} \quad \mathbf{\frac{11}{12}}$$
$$\frac{5}{6} \quad \mathbf{\frac{23}{24}}$$
$$\frac{1}{3} \quad \mathbf{\frac{16}{21}}$$
$$\frac{3}{4} \quad \mathbf{\frac{86}{100}}$$

Put at least 3 multiples into the following boxes.

Multiples of 2	Multiples of 3	Multiples of 5
2, 4, 6, 8, 10, 12	3, 6, 9, 12, 15	5, 10, 15, 20, 25

Make up a pair of equal fractions from each set of multiples.

E.g. $\frac{2}{3} = \frac{10}{15}$

Join the fractions to the one that is of the same value:

$$\frac{1}{4} \quad \mathbf{\frac{2}{8}}$$
$$\frac{1}{3} \quad \mathbf{\frac{2}{6}}$$
$$\frac{1}{5} \quad \mathbf{\frac{2}{10}}$$
$$\frac{1}{10} \quad \mathbf{\frac{3}{30}}$$

Page 158 Working at greater depth

Denominator Fun

Write down two fractions where the denominator of one is a multiple of the denominator of the other. Work out which is the larger fraction. Explain your reasoning. **E.g. $\frac{2}{3}$ and $\frac{7}{12}$, $\frac{2}{3}$ is bigger as $\frac{2}{3} = \frac{8}{12}$, and $\frac{8}{12}$ is bigger than $\frac{7}{12}$.**

More or Less

Look at these pairs of fractions. What is the difference between them?

$$2/3 \text{ and } 7/9 \quad \mathbf{1/9}$$

$$5/6 \text{ and } 11/12 \quad \mathbf{1/12}$$

$$1/3 \text{ and } 1/6 \quad \mathbf{1/6}$$

$$2/3 \text{ and } 11/12 \quad \mathbf{3/12}$$

$$3/8 \text{ and } 5/16 \quad \mathbf{1/16}$$

$$1/4 \text{ and } 3/16 \quad \mathbf{1/16}$$

