

Maths 01.02.21

Monday, January 25, 2021 7:51 AM

Please write all of your answers in RED so it is easier for us to find. Don't forget your Reasoning Rex at the bottom of the page. If you finish, please move on to the next challenge or go on accelerated maths. PLEASE SHOW YOUR WORKING OUT FOR AT LEAST 2 QUESTIONS. This can be using the draw tool or a picture.

5 minute challenge! - Please aim to complete all of these questions even if it takes you longer than 5 minutes.

1. 3.3 multiplied by 4 =
2. $506 + \underline{\quad} = 1101$
3. What is 7 squared?
4. 2488 divided by 4 =
5. 6.06 add 303.3 =

Counting starter:

Fill in the missing numbers in the sequence:

 , $\frac{2}{10}$, , , $\frac{5}{10}$, , , , , 1

We are counting in steps of .

TBQ: Can I order fractions?

Recap:

To find the lowest common multiple of two numbers, you write both times tables down and find the lowest number that is in both times tables.

Eg Find the lowest common multiple of 3 and 6

3, 6, 9, 12, 15, 18

6, 12, 18, 24

Therefore, 6 is the lowest common multiple.

Find the lowest common multiple of 3 and 4.

3 times table:

4 times table:

Lowest common multiple:

<https://vimeo.com/468944608>

[Aut6.9.3 - Compare and order \(denominator\)](#)

...

09:59

If you need more help, please go to page 35 of your blue SATs book.

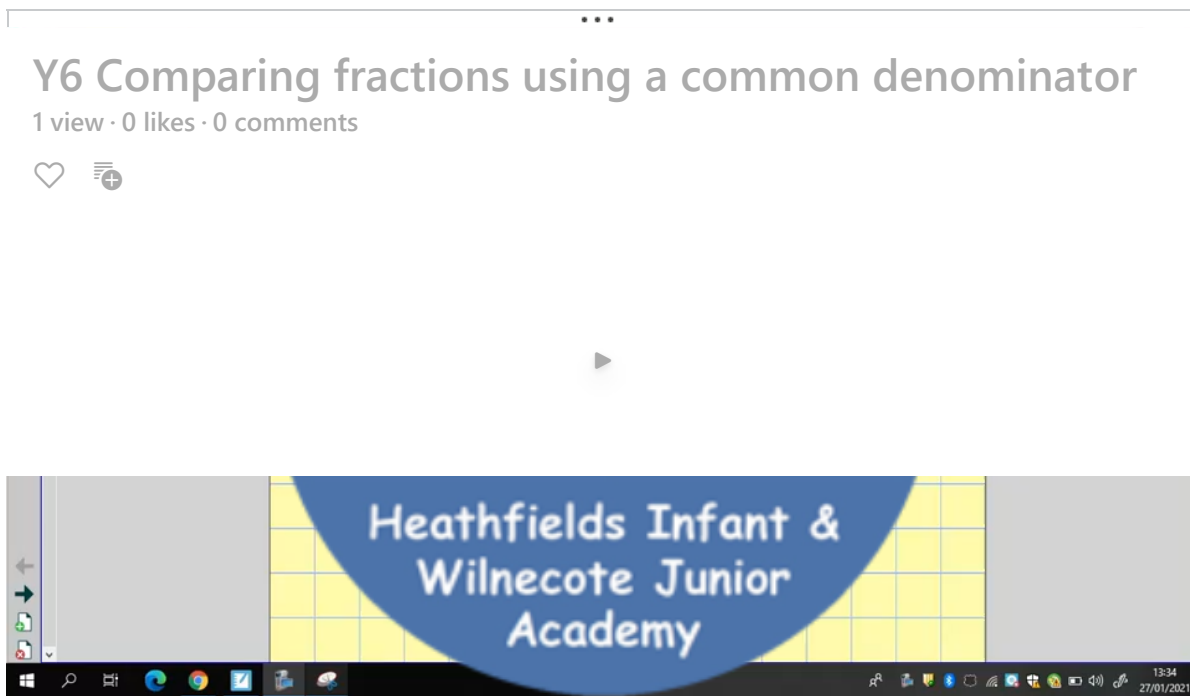
Colour in these bar models (using the draw tool on the toolbar) to represent $\frac{1}{2}$.



Here's a quick video from Miss Stodd, showing you how to compare fractions using a common denominator.

<https://web.microsoftstream.com/video/40bdf1c1-ab21-4f10-bd53-d6e3ca4ba21f>

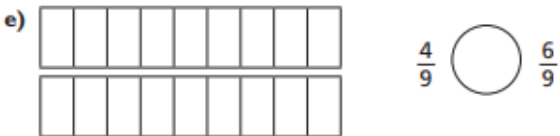
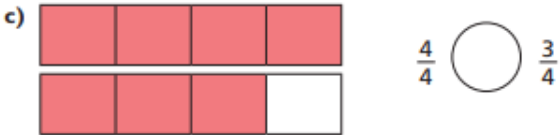
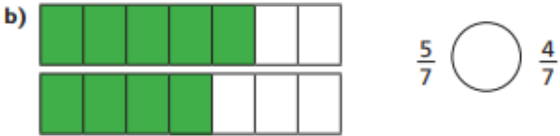
[Microsoft Stream](#)



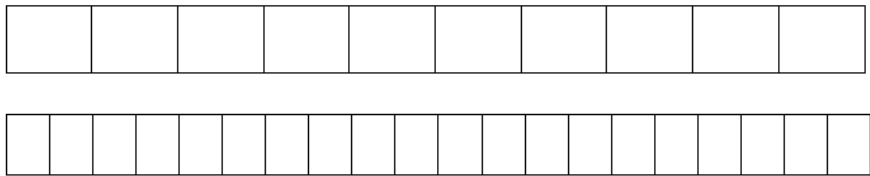
You can use page 35 of the Blue SAT's book!

Chilli Challenge! Please write all of your answers in **red**. If you finish your challenge early, either move on to the next challenge or go on one of the maths programmes. **Don't forget the Reasoning Rex!**

Mild: Draw the < , > and = to compare the fractions. Use the bar models to help you.



f)



14 / 20 _____ 9/10

Hot: Remember if you are using bar models to help you.. Your bars need to be the same length! If you're not using bar models, find the

1)

Use the bar models to sort these fractions in order from greatest to smallest.

$\frac{14}{20}$

$\frac{9}{10}$

$\frac{4}{5}$

$\frac{3}{4}$

Answer:

2)

Order the fractions from smallest to greatest.

$\frac{7}{10}$

$\frac{1}{2}$

$\frac{2}{5}$

$\frac{3}{10}$

Answers:

3) Complete the sentence stems for each fraction pair.

A) $\frac{6}{7}$ and $\frac{3}{5}$

_____ is greater than _____

B) $\frac{4}{9}$ and $\frac{2}{6}$

_____ is less than _____

C) $\frac{7}{10}$ and $\frac{13}{15}$

_____ is greater than _____

4) Sally insists she had more pizza than her sister because she had $\frac{6}{8}$ of hers and her sister had $\frac{5}{6}$. Is she correct? Explain how you know.**Answers:****Flamin' Hot: Please write all of your answers in red, making sure you are explaining your answers fully.**

Place these fractions in ascending order.

a. $\frac{7}{10}, \frac{3}{5}, \frac{1}{2}, \frac{3}{10}, \frac{4}{5}$

b. $\frac{3}{8}, \frac{3}{4}, \frac{7}{16}, \frac{1}{2}, \frac{1}{4}$

c. $\frac{2}{3}, \frac{5}{7}, \frac{19}{21}, \frac{1}{3}, \frac{11}{21}$

d. $\frac{1}{8}, \frac{17}{20}, \frac{3}{10}, \frac{3}{5}, \frac{1}{4}$

e. $\frac{1}{4}, \frac{7}{9}, \frac{3}{4}, \frac{5}{12}, \frac{7}{18}$

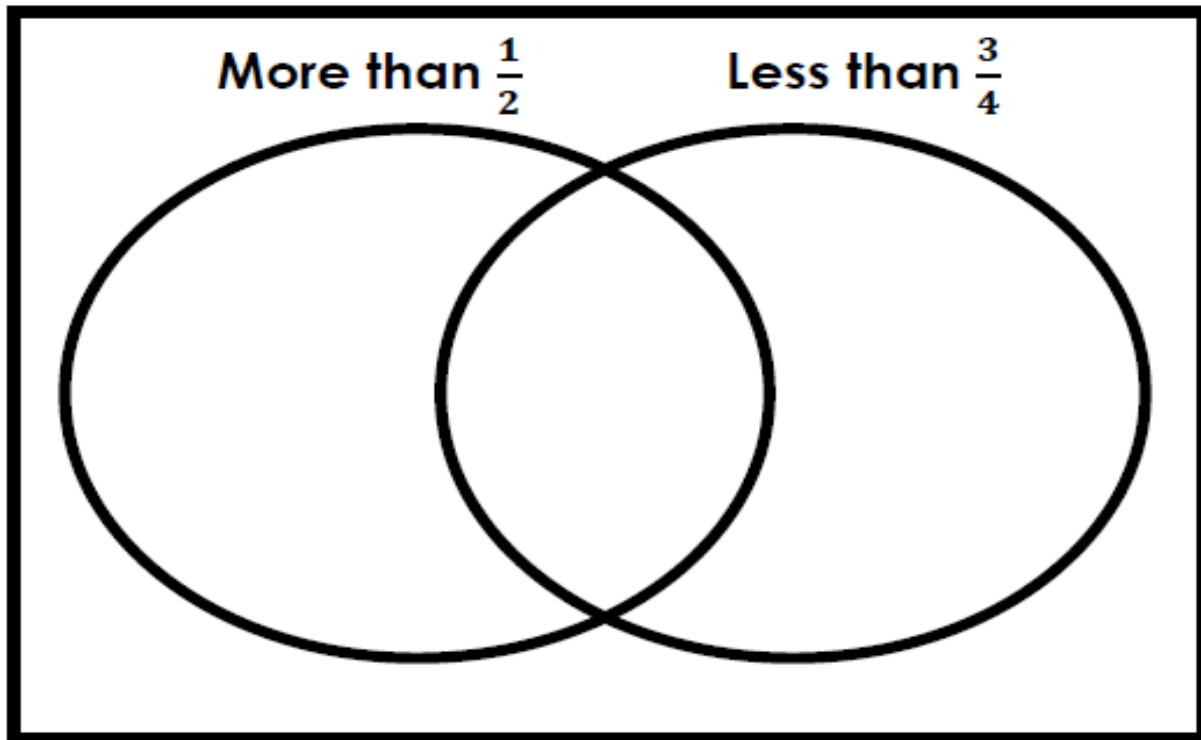
Write these fractions in the correct section of the Venn diagram:

$$\frac{3}{6}$$

$$\frac{4}{10}$$

$$\frac{3}{5}$$

$$\frac{7}{8}$$



Add some of your own fractions

Reasoning Rex: Explain which method of comparing fractions do you prefer, the bar model method or finding the lowest common multiple of the denominators?

Answer:

If you finish all the tasks, you can go on accelerated maths, TTRocks and Maths Facts.