Maths 02.02.21

Monday, January 25, 2021　7:52 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. <u>PLEASE SHOW YOUR WORKING OUT FOR AT LEAST 2 QUESTIONS.</u> This can be using the draw tool or a picture.

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

1. 6/7 - 1/7 =

2. 4/5 x 1/3 =

3. 4 tens + 1 ones + 0 tenths + 5 hundredths =   (use your PV grid – you can find this in files under 'maths support' if needed).

4. Round 186 781 to the nearest 1000

5. 650.01 - 3.6 =

<u>Counting starter:</u>

Practise your 4 times table. You might want to chant it, create a rhyme, spend 5 minutes on TT, write it down as quickly as you can or ask a family member to quiz you!

Write your 4 timestable here:

4 x _____ = 20

4 x 6 = _____

4 x _____ = 24

<u>TBQ: Can I order fractions? Part 2</u>

Watch the video below to show you how to answer today's learning.
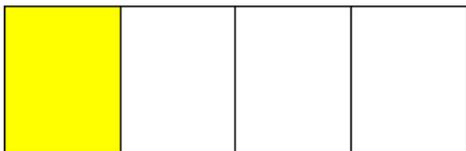
https://vimeo.com/470094736

Aut6.9.4 - Compare and order (numerator)

···

True or false???

$$\frac{5}{17} > \frac{5}{11}$$

Answer:
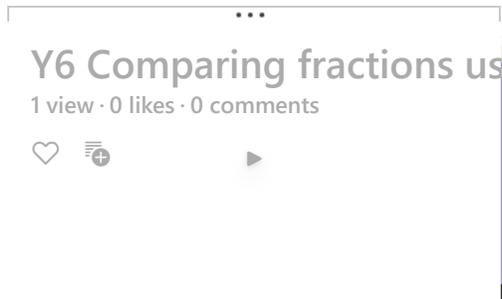
The two bar models **above** cannot be used to help me compare the fractions **1/3** and ¼. Why?

Answer:

Here's the video from yesterday of Miss Stodd, showing you how to compare fractions using a common denominator, if you need a recap.

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

[Microsoft Stream](#)

Y6 Comparing fractions us
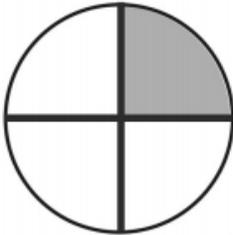
1 view · 0 likes · 0 comments

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: Follow the instructions to answer the questions.
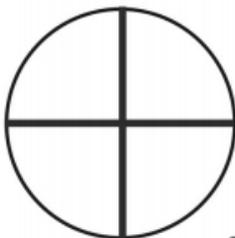**1)**

Write **<** or **>** in the box.

$$\frac{1}{4} \qquad \boxed{\phantom{<}} \qquad \frac{2}{5}$$

2)

COMPARING FRACTIONS

Colour correctly and write **<** or **>** in the box.

$$\frac{2}{4} \qquad \boxed{\phantom{<}} \qquad \frac{2}{8}$$
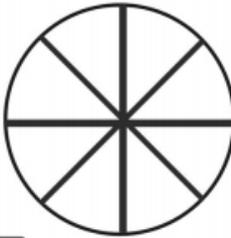
3) Use these bar models to help compare these fractions. Use the draw tool.
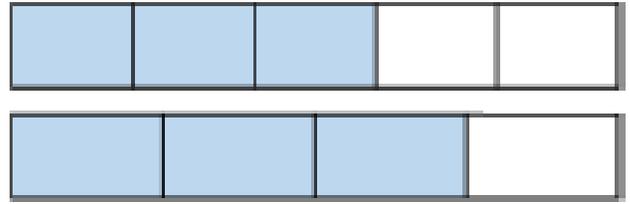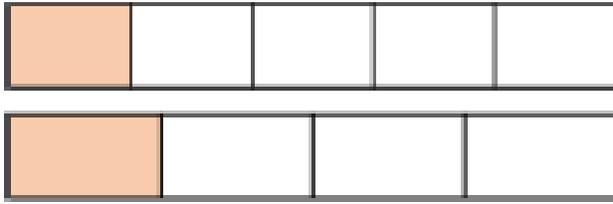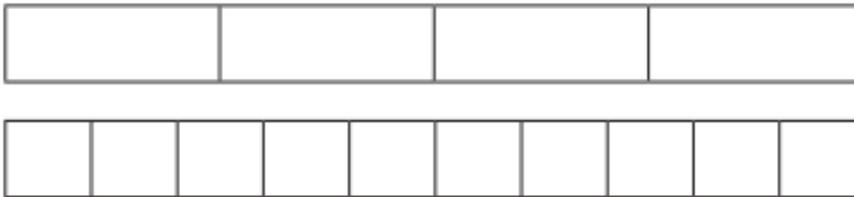
$\dfrac{1}{5}$ ◯ $\dfrac{1}{4}$ $\dfrac{1}{5}$ ◯ $\dfrac{3}{5}$ $\dfrac{1}{4}$ ◯ $\dfrac{3}{4}$ $\dfrac{3}{5}$ ◯ $\dfrac{3}{4}$

Hot: Complete the questions below.

a) Colour the bar models to compare $\dfrac{3}{4}$ and $\dfrac{6}{10}$

b) Use <, > or = to compare the fractions.

¾ _____ 6/10

Use strips of paper, or bar models, to represent the fractions, if needed. Complete the sentences for each set.
1) 1/3 , 1/5 and 1/6
The smallest fraction is _____.
The greatest fraction is _____.

2) 2/3 , 2/5 and 2/6
The smallest fraction is _____.
The greatest fraction is _____.

3) 3/3 , 3/5 and 3/6
The smallest fraction is _____.

The greatest fraction is _____.

4)

Which is the greatest fraction?

$$\frac{3}{100} \qquad \frac{3}{1000} \qquad \frac{3}{500}$$

How do you know?

Answer:

5)

Two different pieces of wood have had a fraction chopped off.

Here are the pieces now, with the fraction that is left.

 $\frac{5}{6}$

 $\frac{3}{4}$

Which piece of wood was the longest to begin with?

Explain your answer.

Can you explain your method?

Answer:

Flamin' Hot: Please answer all of the questions in red and explain your answers fully.

1)

Compare these fractions using <, > or =.

Use bar models to prove your answers.

a. $\frac{1}{9}$ _____ $\frac{1}{5}$

b. $\frac{3}{20}$ _____ $\frac{3}{50}$

c. $\frac{10}{12}$ _____ $\frac{10}{10}$

d. $\dfrac{4}{7}$ ———— $\dfrac{4}{8}$

e. $\dfrac{9}{16}$ ———— $\dfrac{9}{11}$

Answers:

A)

B)

C)

D)

E)

2)

All fractions are ordered from greatest to smallest.

Which fractions could fill the gaps?

Give at least 3 possible answers for each question.

a. $\dfrac{1}{2}$, ———— , $\dfrac{1}{8}$

b. $\dfrac{5}{6}$, ———— , $\dfrac{5}{11}$

c. $\dfrac{3}{4}$, ———— , $\dfrac{3}{15}$

d. $\dfrac{7}{8}$, ———— , $\dfrac{7}{16}$

Answers:

A)

B)

C)

D)

3) Explain how can you compare 2/3 and 4/5 using the same numerator rule.

Answer:

2/3 is _____ than 4/5

4)

Scott scored 20 out of 24 in a game.

Dani scored 5 out of 7

Compare their scores.

Explain who you think did best and why.

Answer:

5)

Mo is comparing the fractions $\frac{3}{7}$ and $\frac{6}{11}$

He wants to find a common denominator.

Explain whether you think this is the most effective strategy.

Answer:

Reasoning Rex: Rex and his friend took a test. Rex got 7/16 correct. His friend got 3/8. Rex knows he got the highest score. How can Rex prove this to his friend? Explain.
Answer:

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