

## Maths 11.02.21

Wednesday, January 27, 2021 2:55 PM

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)  $45 \times 67 =$

2)  $3.910 + 1001.2 =$

3)  $3.3 \times 1000 =$

4) 648 divided by 3 =

5) Use the  $<$ ,  $>$  or  $=$  to make the sentence below correct:

$\frac{1}{3}$       $\frac{4}{5}$

### **Counting starter:**

Fill in the multiplication grid below (you can type into the grid or use the draw tool).

x	1	2	3	4	5	6	7	8	9	10	11	12
4												
6												
7												
8												

### **TBQ: Can I use the four operations with fractions?**

**Recap:** If you need any help with these, all videos are in the files or use pages 36 and 37 of your SAT's book.

1)  $\frac{3}{5} + \frac{1}{5} =$

2)  $\frac{3}{4} - \frac{1}{2} =$

3)  $\frac{4}{5} \times \frac{1}{3} =$

4)  $\frac{1}{6}$  divided by 3 =

Please watch this video below **before** you start the questions. When it says 'pause the video to complete the tasks', come back to the notebook to answer the questions.

<https://classroom.thenational.academy/lessons/fractions-solve-fraction-problems-with-the-four-operations-cgrk0d>

If you need any recap of the operations, please scroll to the bottom to see some of Miss Stodd's videos from the last two weeks.

**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!**

**Use PAGE 36 and 37 in your blue KS2 SAT's book if you need any help.**

**Mild: Please look at the videos below if you need any help.**

1)

$$\frac{2}{3} + \frac{3}{4} =$$

2)

$$\frac{2}{5} + \frac{3}{7} =$$

3)

$$\frac{4}{5} \times \frac{2}{5} =$$

4)

$$\frac{5}{12} \times \frac{6}{10} =$$

5)

$$\frac{4}{5} \div \frac{2}{6} =$$

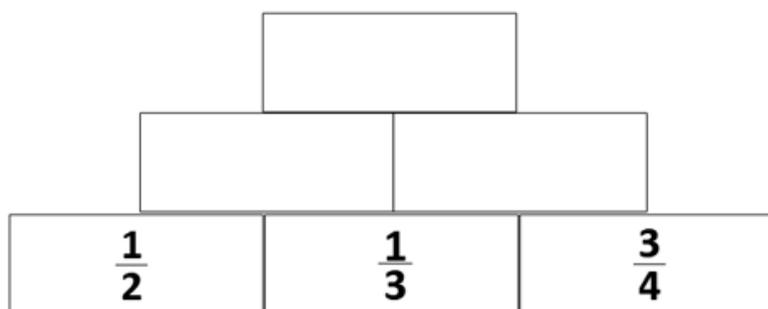
6)

$$\frac{3}{7} \div \frac{3}{5} =$$

**Hot and Flamin'!** These problems will need you to use one of the four operations!

1) Hint: the product of 3 and 4 is 12.

Each block is the product of the two below.  
Can you complete the pyramid?



2)

Harriet has  $8\frac{3}{4}$  metres of fabric. She uses  $\frac{5}{6}$  of the fabric to make a dress. How much fabric does she use?

**Answer:**

3)

Sally is serving squash to her friends. She fills a jug  $\frac{4}{5}$  of its capacity. Unfortunately, she spills  $\frac{1}{10}$  of the volume of squash before serving. She serves the remaining squash equally between her 6 friends. What fraction of the capacity of the jug does each person receive?

Answer:

4)

In Year 7, the children take part in one enrichment activity on a Wednesday afternoon.

They can choose between cookery, basketball and film club.

$\frac{3}{8}$  of the children take cookery,  $\frac{1}{6}$  of the children take basketball.

What fraction take film club?

Answer:

5)

I am training for a 10k run.

Last week, I ran  $1\frac{7}{8}$  kilometres each day.

How many kilometres did I run altogether?

Answer:

**When you have finished these, you can watch the rest of the Oak Academy video to see how to work out the answers. You can self-mark your learning.**

## Flamin' extension!

In each number sentence, replace the boxes with different whole numbers less than 20 so that the number sentence is true.

$$\frac{1}{\square} \times \frac{3}{\square} = \frac{\square}{\square}$$

$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{8}{15}$$

$$\frac{2}{\square} \times \frac{5}{\square} < \frac{10}{\square}$$

$$\frac{\square}{\square} \div 3 = \frac{1}{\square}$$

$$\frac{\square}{\square} \div 3 > \frac{1}{4}$$

Answers:

True or false?

- The sum of two fractions is always greater than their product.
- If I divide a fraction by a whole number, the quotient is always smaller than the dividend.

Explain your reasoning.

Answer:

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

### Videos to help

#### Adding fractions

[Microsoft Stream](#)

...

**Y6 Adding fractions with c**

20 views · 3 likes · 1 comment





#### ► Dividing fractions

[Microsoft Stream](#)