

23.02.21

Thursday, February 11, 2021 11:37 AM

Today and tomorrow we will be revisiting fractions!

- ▶ Please watch all of the videos and support that is on the page to help you!

23.02.21
TBQ: Can I multiply a whole number by a fraction?

STEPS TO SUCCESS

I can identify a whole number.

I can use my multiplication knowledge to multiply a fraction and a whole number.

I can decide whether my answer is sensible or not by estimating.

Counting

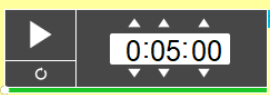
Starting from 99, count backwards in 5's.

What do you notice?

Will the answers end in a 0 and 5?

5 minute challenge

5 minute challenge!



16,540 - 12,992 = ★ 12^2 ★

★ What are the prime numbers between 15 and 30? ★

3 x ? = 90 - 60 3 sweets = 60p

5 sweets = ?

Starter

Using the knowledge you learnt yesterday, match the images below.

1) Match each sequence to the correct counting step.

A $\frac{1}{4}, \frac{3}{4}, 1\frac{1}{4}, 1\frac{3}{4}, 2\frac{1}{4}$	B $3\frac{2}{3}, 3\frac{1}{3}, 3, 2\frac{2}{3}, 2\frac{1}{3}$	C $4\frac{1}{2}, 4\frac{1}{4}, 4, 3\frac{3}{4}, 3\frac{1}{2}$	D $3\frac{1}{2}, 3\frac{7}{10}, 3\frac{9}{10}, 4\frac{1}{10}, 4\frac{3}{10}$
1 Decreasing by $\frac{1}{3}$	2 Increasing by $\frac{2}{10}$	3 Increasing by $\frac{1}{2}$	4 Decreasing by $\frac{1}{4}$

Activity 1

Access the video below to see how to multiply fractions using a bar model!

[Multiplying Whole Numbers by Fractions Using Models | Math with Mr. J](#)

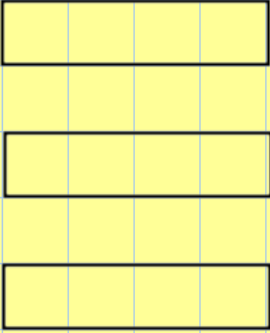


The link is: <https://www.youtube.com/watch?v=GLRJ25qZr5w>

Activity 2:

How could we work out 5 lots of 2 quarters?

Pictorial




What would this look like as a sum?
Which operation are we using?

Activity 3:


$$5 \times \frac{2}{3} =$$

$$7 \times \frac{4}{6} =$$


Reasoning Rex



Whitney has calculated $4 \times \frac{3}{14}$



From the picture I can see that $4 \times \frac{3}{14} = \frac{12}{56}$



Do you agree?
Explain why.

D - I think Whitney is....

A - The mistake Whitney has made is...

B - The answer should be because.....

Chilli Challenges

Mild

Use a bar model to find the answers below

$4 \times \frac{5}{7} = \square$

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

$\frac{7}{10} \times 5 = \square$

$\frac{6}{11} \times 1 = \square$

$2 \times \frac{5}{6} = \square$

$5 \times \frac{1}{9} = \square$

Hot

Use a bar model to find the answers below

$\frac{3}{8} \times 12 = \square$

$\frac{1}{5} \times 5 = \square$

$0 \times \frac{9}{11} = \square$

$\frac{4}{7} \times 8 = \square$

$3 \times \frac{1}{9} = \square$

$7 \times \frac{5}{14} = \square$

Flaming hot**Flaming Hot**

Use the abstract method in the video/from your teacher to find the answers to the questions below

$\frac{3}{8} \times 12 = \square$

$\frac{1}{5} \times 5 = \square$

$0 \times \frac{9}{11} = \square$

$\frac{4}{7} \times 8 = \square$

$3 \times \frac{1}{9} = \square$

$7 \times \frac{5}{14} = \square$

