



Marlborough Primary  
Academy

Class  
5/6D

Home  
Learning

Monday  
18/5/20

### 5-a-day

- 1) TTRockstars - 30 minutes
- 2) Morning maths
- 3) Independent Reading - 30 minutes
- 4) Spelling - 20 minutes
- 5) P.E. - Joe Wicks workout

### English



Look carefully at the picture and then answer the questions - make sure you answer in full sentences.

### Maths

Multiplying fractions and mixed numbers by whole numbers

Watch the videos and then try the two worksheets - you can also try to defend the forest using the online fractions game.

[Input videos](#)

[Worksheet 1](#)  
[Worksheet 2](#)

[Game](#)

### Science

Do some research and see if you can match up these modern animals with their prehistoric fossil ancestors. How are the modern animals different? How have they changed?

## Morning maths – Monday 18/5/20

$$1255 \times 29$$

1 2 5 5

x 2 9

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If  $\frac{1}{5}$  is 42, what is  $\frac{1}{2}$ ?

42				

Hint – find the whole first

What is 12% of 400?

$$3671 \div 2$$

1) as remainder

2) as decimal

3) as fraction

Hint – 1% =  $\div$  by 100    10% =  $\div$  by 10

## Summer Suitcases



*Look carefully at the picture and then answer these question.*

1. What do the suitcases represent? Explain your reasons?

2. Who might be travelling? Where might they be going?

3. If this were an image on an advert, what might the advert be for?

4. The weather in the image is of a sunny day with some clouds. Does this give a positive or negative feeling? Explain your reasoning.

5. What is the main focus of the picture? How do you know?

6. Where is the image taken?

7. What feelings might the picture make you feel? Give three examples.

8. Imagine there is a person in the image. What would you like to ask them?

9. The suitcases look different to suitcases used now. What might this suggest?

10. Why has the illustrator chosen to have five suitcases piled up? What might this suggest?

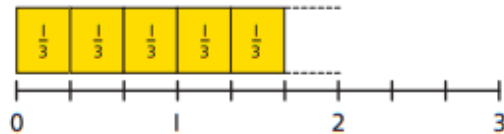
11. Explain a time when you travelled somewhere. How was it the same or different as the picture?

12. What else might you add to the picture to give it more meaning?

## Think together

- 1 On Saturday the boat makes 7 trips. It uses  $\frac{1}{3}$  of a tank of fuel for each trip.  
How many tanks of fuel are used on Saturday?

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



$\square \frac{\square}{\square}$  tanks of fuel are used.

- 2 A fishing boat offers fishing trips. During each trip the boat travels  $1\frac{2}{5}$  km.  
How far does the boat travel in 4 trips? Work out the answer using both methods.



Method 1

$$\square \times 4 = \square$$

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

$$\square + \square \frac{\square}{\square} = \square \frac{\square}{\square}$$

The boat travels  $\square \frac{\square}{\square}$  km.

Method 2

$$\square \frac{\square}{\square} = \frac{\square}{\square}$$

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

$$\frac{\square}{\square} = \square \frac{\square}{\square}$$

- 3 a) Complete the multiplications.

$$\frac{1}{4} \times 2 = \frac{2}{4}$$

$$\frac{1}{6} \times 5 = \frac{5}{6}$$

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

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

$$\frac{1}{4} \times 5 = \frac{\square}{\square}$$

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

$$\frac{1}{4} \times 9 = \frac{\square}{\square}$$

$$1\frac{1}{6} \times 5 = \frac{\square}{\square}$$

What patterns do you notice?

Can you find a quick way to get the answers?

I notice something between the numerator of the fraction, the whole number and the numerator of the final answer.



- b) Find three fractions that multiply by a whole number to make these numbers.

$$\frac{5}{8}$$

$$\frac{10}{9}$$

$$1\frac{1}{5}$$

CHALLENGE

# Multiplying a fraction by a whole number

1 a) Work out  $\frac{1}{4} \times 7$ .

$$\frac{1}{4} \times 7 = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$



b) Work out  $\frac{2}{5} \times 4$ .

$$\frac{2}{5} \times 4 = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$



c) Work out  $\frac{2}{3} \times 6$ .

$$\frac{2}{3} \times 6 = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \boxed{\phantom{00}}$$





2 Work out these multiplications.

a)  $\frac{1}{2} \times 7 = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

c)  $\frac{3}{4} \times 6 = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

b)  $\frac{4}{5} \times 3 = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

d)  $\frac{7}{10} \times 5 = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$



## Activity 3

Guardians: Defenders of Mathematica

Play the **Forest of Fractions and Decimals** level to further test your knowledge of fractions.



Guardians: Defenders of Mathematica

KS2 Maths

Match these modern animals to their fossil ancestor - use the internet to help

Great White Shark

Sea turtles

Chicken

Archelon

Tyrannosaurus rex

Megalodon

Choose one of the animals and tell me how it is the same and how it is different from its ancestor

Modern animal \_\_\_\_\_

Fossil ancestor \_\_\_\_\_

How they are the same.

How they are different

1.

1.

2.

2.

3.

3.

4.

4.

5.

5.

6.

6.

7.

7.

8.

8.

9.

9.