### 3.3.21 - Quick Maths

- △ Divide each of these by 100
  - 3,000 500 200 100
- o 500 + = 1,000
- Count forwards 3 from -5 =
- Ocmplete -

15		

#### В

- 25m = \_\_\_\_cm
- 1/2 = ?/6
- o\_\_\_\_x 10 = 2
- DXIV =
- 0.4cm = \_\_\_mm?

#### **Explain**

Why can't a square have a perimeter of 11cm?



#### **Barvember**

3 Andy and Cho have some money.

They each buy one of these T-shirts.



They now have a total of £57 left.

If Andy had £60 at first, how much money did Cho have to start with?

#### **Investigation**

- 8 15 6 9
- 14 (13) (18) (20)
- 18 (17) (2) (5)
  - 3) (15) (19) (6

Join any four numbers and find their total.



# Flashback 4!

# Flashback 4

- I) Calculate  $\frac{3}{8}$  of 32
- 2) Find the difference between  $\frac{3}{7}$  and I
- 3) What fraction of the shape is shaded?



4) Multiply 37 by 4

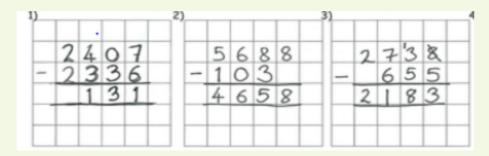




Complete this as quickly as you can (verbally or through writing it down ).

# **Quick Review! -Column Subtraction**

## Spot the mistakes!

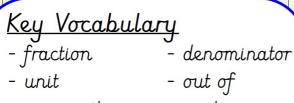


Challenge - Can you choose one and explain the mistake - not just correct it?

#### 3.3.21

## <u>Learning Objective:</u>

Today I am learning to solve problems involving calculating fractions of amounts.



- non-unit
- parts
- numerator
- equal
- improper fraction

Use the White Rose slides/video to support these teaching slides before you complete the main task.

#### Success Criteria

I will be successful if I can -

- oldentify a quantity.
- · Use division to find one part of a quantity.
- o Find more than one part of an amount/quantity.
- Find fractions of larger amounts and problem solve.



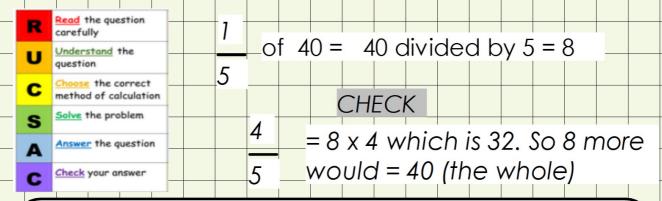


### **Fractions of Amounts**

- Word Problems

Read this part carefully to know what you are calculating.

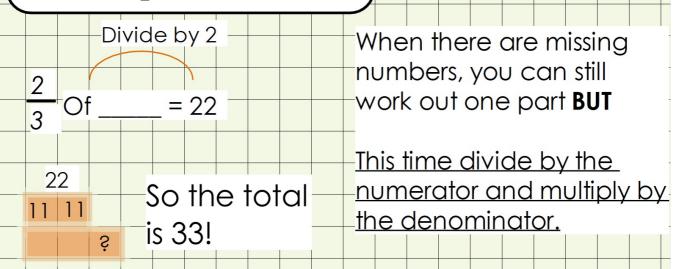
If Mike had 4/5 of a bag of 40 sweets and gave **the rest to**Steve, how much would Steve have?



Steve would have 8 sweets as 5/5 - 4/5 = 1/5. 1/5 of 40 is 8 as I divided the whole by the total parts (denominator). I checked how much Mike would have, which is 32.32 + 8 = the total 40.

### **Fractions of Amounts**

- Missing Numbers

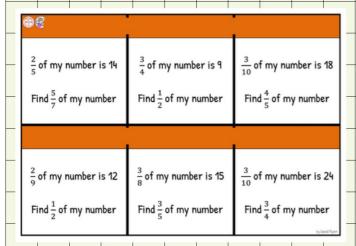


If 2/5 of the number is 14, then 1/4 is 7. So the total is  $7 \times 5 = 35$ .

So 5/7 of 35 is the question here. Try as many as you can.

### **Fractions of Amounts**

- Missing Numbers

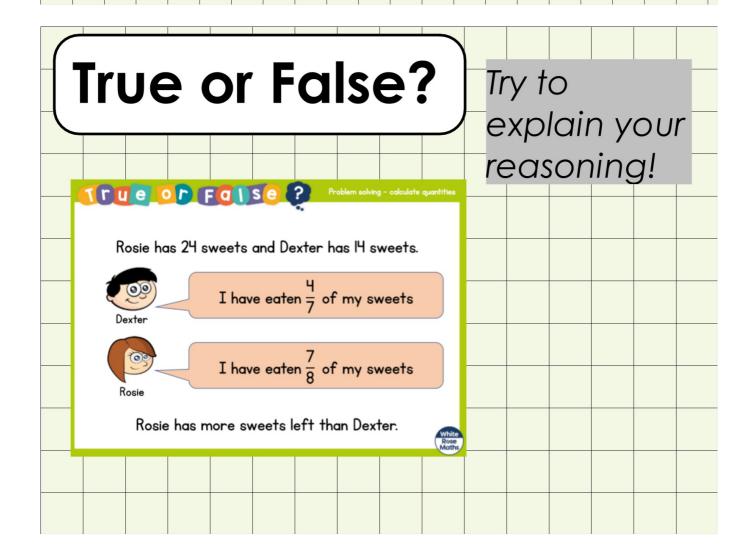


When there are missing numbers, you can still work out one part BUT

This time divide by the numerator and multiply by the denominator.

If 2/5 of the number is 14, then 1/4 is 7. So the total is  $7 \times 5 = 35$ .

So 5/7 of 35 is the question here. Try as many as you can.



# **Main Task**

## 3.3.21

## Fractions of Amounts Problems







Now complete '1.3.21 - Maths Main Task ABC. Gold Extra Challenge - Fractions Investigations

 $\frac{7}{8} - \frac{3}{8} = \frac{\square}{\square}$ 

# Challenges

Teddy eats $\frac{7}{8}$ of a pizza. Dora eats $\frac{4}{8}$	<del>7</del> +	3	= =
How much do they eat altogether?	8	8	

Teddy eats  $\frac{7}{8}$  of a pizza. Dora eats  $\frac{4}{8}$  less.

How much do they eat altogether? 
$$\frac{7}{8} + \frac{4}{8} = \frac{3}{8}$$

Teddy eats 
$$\frac{7}{8}$$
 of a pizza. Dora eats  $\frac{3}{8}$  less.  
How much does Dora eat?

$$2 - \frac{\Box}{8} = \frac{5}{8} + \frac{\Box}{8}$$