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This week, you will be using all of your amazing knowledge of the 4 calculations to complete a mix of use it and prove it questions. You will need to read each one carefully to figure out which calculation you need to use.

Use it:

1. Tom flew from Bristol to California which is 3159 miles. He then travelled 3675 miles to Barcelona.

a) How many miles did Tom travel altogether? **6834**

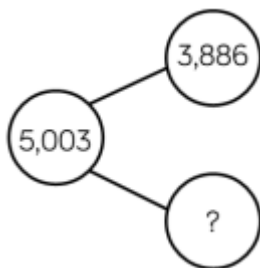
b) He returned to Bristol which was 381 miles. How many miles had he now travelled in this trip? **7215**

2. Sammy has been saving for the last 5 years and has finally reached his £5000 goal. He decided to buy a TV for £1350 and a laptop for £1296. How much money does he have left? **2354**

3. Over the past 4 years, Timmy has been saving £1 every single day. How much money does he now have? (Hint: Think about how many days there are in a year.) **1460**

4. The school are taking children to the zoo. There are 135 boys going and 171 girls. There are planning on taking 6 coaches. How many children will be going on each coach? **$171 + 135 = 306$**
 $306 \div 6 = 51$

5. Find the missing number.



1117

6. Gretchen wanted to give her 4 friends some sweets. Each friend was given 456 Haribo Tangtastics. How many sweets did she give out altogether? **1824**

Prove it:

1. Always, sometimes, never?

Is it always, sometimes or never true that an even number that is divisible by 3 is also divisible by 6? *Sometimes.*

You can't do $3 \div 6$ but 12 can be divided by both 6 and 3.

2. Michael and his mum were having a competition to see who could make the most cakes. He was able to make 417 cakes in a week but his mum was able to make 3 times as many.

a) How many cakes did Michael's mum make? *1251*

b) What is the difference between them? *834*

c) Explain how you were able to find your answer. *$417 \times 3 = 1251$. $1251 - 417 = 834$.*

3. $744 \div 2 = 93 \times 4$ True or false? Explain your answer.

True - $744 \div 2 = 372$ and $93 \times 4 = 372$.

4.

There is a mistake in the way this math problem was solved.

$$\begin{array}{r} 3,906 \\ - 703 \\ \hline 3,103 \end{array}$$

Solve the math problem correctly.

$$3906 - 703 = 3203$$

They exchanged from the hundreds to the tens when they didn't need to because $0 - 0 = 0$.

Explain the error. _____

5. Cindy and Louise were solving this problem:

$$1524 + 2584 =$$

Cindy thought the answer was 3008.

Louise said she was incorrect and the answer was 1060.

They are both incorrect.

a) What mistakes did they both make?

Cindy forgot to add her exchanged digits.

Louise subtracted instead of adding.

b) What is the correct answer? *4108*