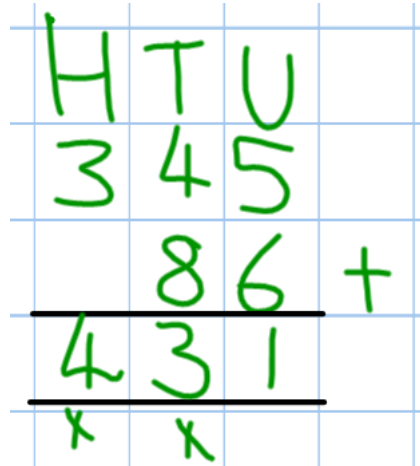


This week, we are going to be making sure we are all really secure on the calculations we have learnt so far in year 4! We are going to start with column addition. Watch the BBC bitesize clip if you think you need a refresher on how to use this method but I know you were all fantastic at this in class!

<https://www.bbc.co.uk/bitesize/topics/zy2mn39/articles/z3kmrwx>

Answer the column addition questions, looking at my example for how your work should be set out (squared paper will make it easier to line up the numbers but is not essential!):

1. $509 + 156$
2. $345 + 66$
3. $406 + 196$
4. $180 + 374$
5. $269 + 245$
6. $943 + 74$
7. $123 + 409$
8. $619 + 55$
9. $1027 + 34$
10. $375 + 278 + 126$



Read the word problems, deciding whether they are addition or subtraction. Answer the addition ones. If you want to also answer the subtraction ones you can but don't worry as we will be recapping subtraction tomorrow!

- 1 There are 45 cars parked on level 1 and 27 cars parked on level 2. How many cars altogether?
- 2 There are 63 cars parked on level 1 and 57 on level 2. How many more cars are parked on level 1 than level 2?
- 3 In the high jump Jo jumped 94 cm and Li jumped 78 cm. What is the difference between the heights they jumped?
- 4 Casper jumped 87 cm in the high jump and Chloe jumped 28 cm higher than Casper. How high did Chloe jump?
- 5 Mr Jones is 37 kg heavier than Mrs Jones. Mrs Jones weighs 62 kg. How heavy is Mr Jones?
- 6 Mr Patel is 19 kg heavier than Mrs Patel. Mr Patel weighs 84 kg. How heavy is Mrs Patel?
- 7 On 24th July the temperature reached 27°C during the day and fell to 14°C at night. What was the difference in temperature?
- 8 On 29th July the temperature was 8°C warmer than on the 28th. The temperature on the 28th was 19°C . What was the temperature on 29th?



Challenge

Which is the odd one out? Why?

$336 + 80$

$453 + 60$

$347 + 70$

$285 + 80$

Always, Sometimes, Never

When 7 and 5 are added together in the ones column, the digit in the ones column of the answer will always be 2

What other digits would always give a 2 in the ones column? Prove it.

Here are three digit cards.



Place the digit cards in the number sentence.

How many different totals can you find?

$$\square \square + \square =$$

What is the smallest total?

What is the largest total?