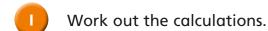
Know when to use a mental strategy, formal written method or a calculator





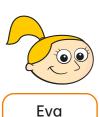
You can use a written or a mental strategy.

If you use a mental method, explain how you did it.

Discuss your methods and answers with a partner.

Did you use the same method?

Eva and Amir are discussing how to work out 299 + 393



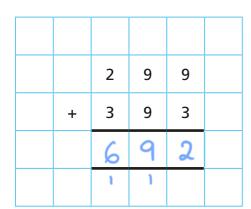
I used a column method.

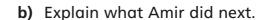
I can do this in my head by adding on 300 to 393 first.



Amir

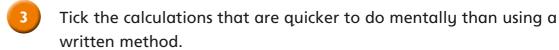
a) Complete Eva's method.





$$300 + 393 - 1 = 692$$

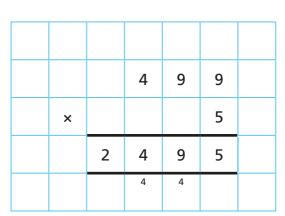
c) Explain why Amir's method works.



For those that you can do mentally, write the answer next to the calculation.

Mr Singh is buying five books.

Each book costs £4.99





$$£4.99 \times 5 = £24.95$$

Explain a quicker, mental method that Mr Singh might have used.

Alex wants to buy 28 cans of drink.

Each can costs 29p.

She has £10



I need to use a calculator to work out if I've got enough money.



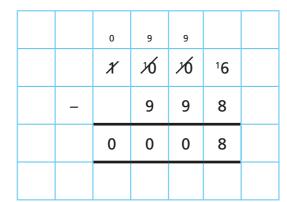
a) Explain how Alex can work this out mentally.

29p ≈ 30p 28 ≈ 30 30 × 30p = 900p = E9

She has enough money

b) Show how Alex can work this out using a written method.

- c) Does Alex have enough money? ________
 Compare answers with a partner.
- 6 Aisha works out 1,006 998

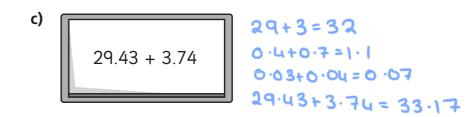


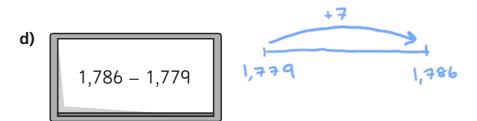
Explain a quicker way Aisha could have done this mentally.



Mrs Glover sets her class some questions.

Work out the answer to each calculation. Show each stage of your workings.





 $\label{lem:compare your method with a partner's.}$



