

## Arithmetic questions

challenge 1	challenge 2
1) $23 \times 9 = 207$	$236 \times 9 = 2124$
2) $1000 - 654 = 346$	$10000 - 6540 = 3460$
3) $40 \times 60 = 2400$	$400 \times 600 = 240000$
4) $8 \text{ squared} + 9 = 73$	$8 \text{ squared} \times 9 \text{ squared} = 5184$
5) $4 \times 3 \times 100 = 1200$	$4 \times 3 \times 18 = 216$
6) $10 - 0.79 = 9.21$	$1 - 0.0555 = 0.9445$
7) Find 5% of 50 = 2.5	Find 9% of 50 = 4.5
8) $4.5 + 509.87 = 514.37$	$4.5 + 509.87 + 69.21 = 583.58$
9) $6 \times 999 = 5994$	$6 \times 9999 = 59994$
10) $50 + (10 \times 4) = 90$	$500 + (23 \times 6) = 638$

Choose challenge 1 **or** challenge 2

Remember to use the strategies we use in class to solve these arithmetic questions. Please don't use a calculator.

### Top tips

- To find 10% divide the original number by 10 (move ALL the digits one place to the right.)
- To find 1% divide the original number by 100 (move ALL the digits two places to the right.)
- To find 50% half the original number
- When subtracting a decimal number from a whole number put the biggest number at the top and line up your digits-remember to include all your place holders
- Squared means a number multiplied by itself so 5 squared means  $5 \times 5 = 25$
- Cubed means a number  $\times$  number  $\times$  number so 3 cubed means  $3 \times 3 \times 3 = 27$
- If you have more than one operation use Bodmas/Bidmas  
Bracket first, then division or multiplication, finally addition or subtraction