

Written methods

1 Dora uses base 10 to work out 34×3

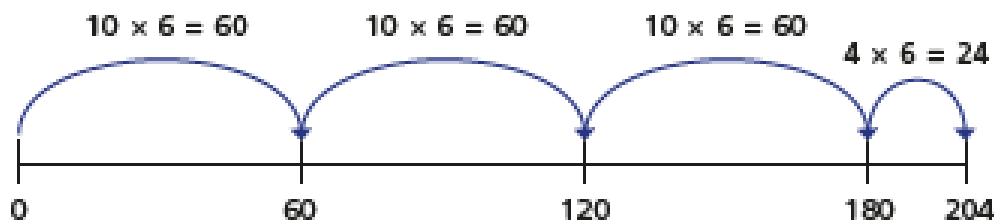
Tens	Ones

Use base 10 to work out 3×28 and 3×36

$3 \times 28 = \square$

$3 \times 36 = \square$

2 Class 4 are using number lines to solve 6×34



a) Talk about Class 4's method with a partner.

b) Use a number line to complete the multiplications.

$5 \times 32 = \square$



Amir is working out 43×5

$40 \times 5 = 200$
 $3 \times 5 = 15$
 $43 \times 5 = 215$

a) Talk about Amir's method with a partner.

b) Use Amir's method to complete the multiplications.

$32 \times 6 = \square$

$7 \times 31 = \square$

$8 \times 42 = \square$

- 5 A farmer is calculating the number of sheep on her farm.
She has 6 fields.
Each field has 35 sheep.
Use a written method to work out how many sheep there are altogether.

- 6 Here are 6 multiplications.

4×59	3×33	5×36	9×32	7×21	6×25
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A B C D E F

Which of the multiplications would you calculate mentally?

Which of the multiplications would you use a written method for?

Now go to your maths book, and work out the above sums that you need a written method for, using the formal expanded method we have practiced.

Practise this expanded method by doing the calculations below in your maths book too. Take a photo and add to Purple Mash so I can see you have got it.

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|------------------|------------------|
| a) 23×3 | h) 45×3 |
| b) 24×4 | i) 58×4 |
| c) 25×4 | j) 43×9 |
| d) 26×3 | k) 64×8 |
| e) 37×3 | l) 87×7 |
| f) 38×5 | m) 98×8 |
| g) 39×4 | n) 79×9 |