

Written methods



1 Dora uses base 10 to work out 34×3

Tens	Ones

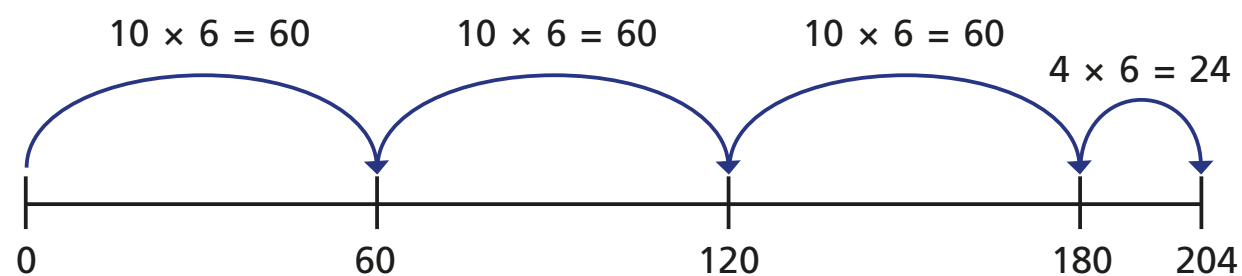
Use base 10 to work out 3×28 and 3×36

$$3 \times 28 = \boxed{84}$$

$$3 \times 36 = \boxed{108}$$



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

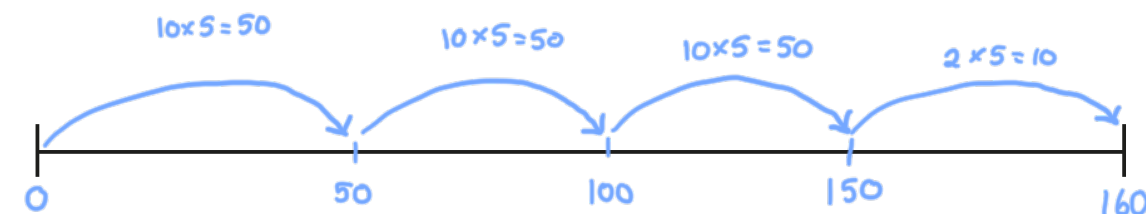


a) Talk about Class 4's method with a partner.

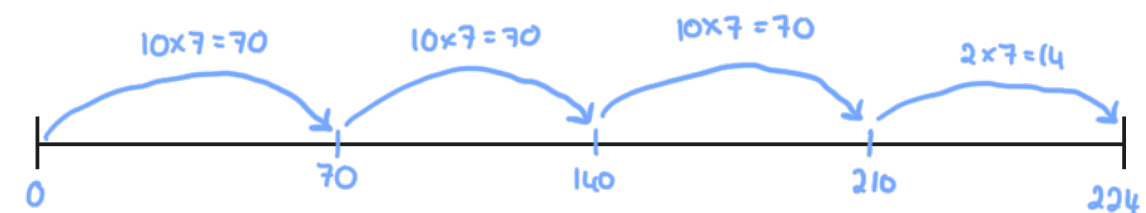


b) Use a number line to complete the multiplications.

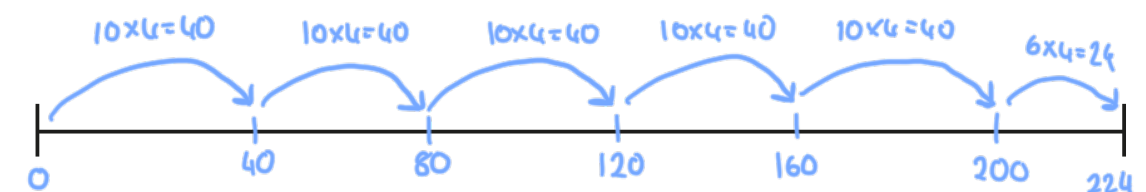
$$5 \times 32 = \boxed{160}$$



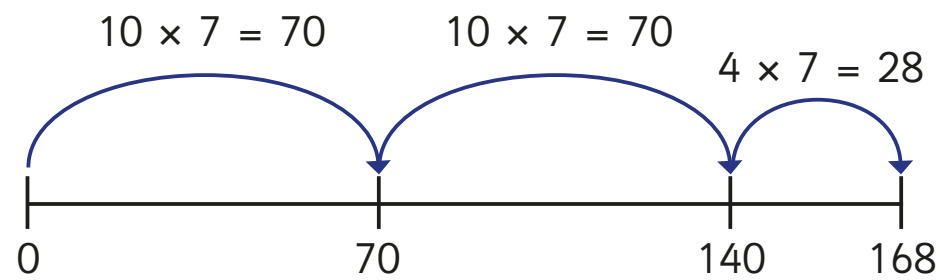
$$7 \times 32 = \boxed{224}$$



$$4 \times 56 = \boxed{224}$$



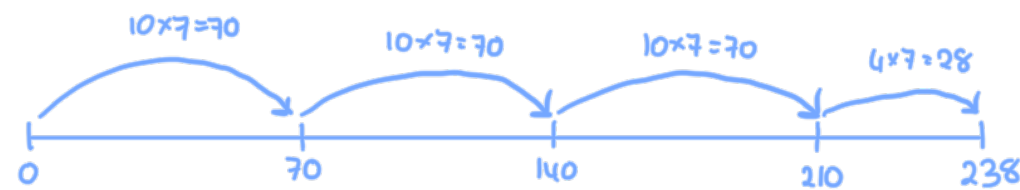
- 3 Mo uses a number line to work out 7×34



What mistake has Mo made?

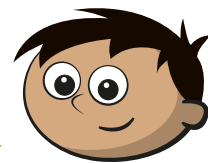
Talk about it with a partner.

What should the number line look like? Draw it here.



- 4 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.

$32 \times 6 =$ 192

$7 \times 31 =$ 217

$8 \times 42 =$ 336

- 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.

210

- 6 Here are 6 multiplications.

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

Which of the multiplications would you calculate mentally?

Various answers

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

Various answers

Talk about your choices with a partner.

Complete the multiplications. Show your working where necessary.

$4 \times 59 =$ 236

$9 \times 32 =$ 288

$3 \times 33 =$ 99

$7 \times 21 =$ 147

$5 \times 36 =$ 180

$6 \times 25 =$ 150