

# Written methods



1 Dora uses base 10 to work out  $34 \times 3$

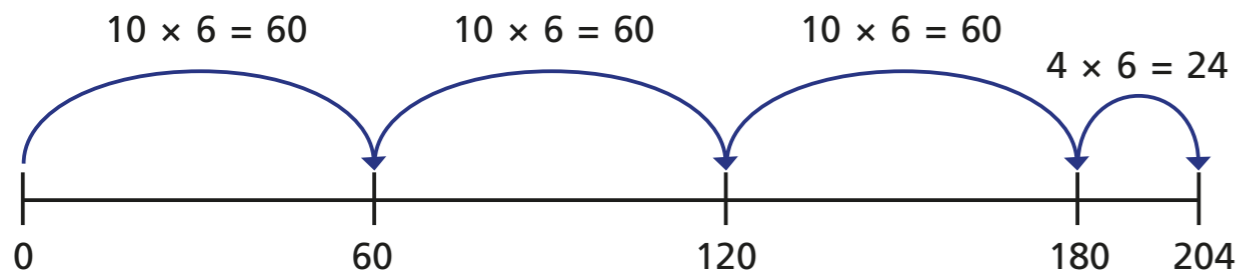
Tens	Ones

Use base 10 to work out  $3 \times 28$  and  $3 \times 36$

$3 \times 28 = \square$        $3 \times 36 = \square$



2 Class 4 are using number lines to solve  $6 \times 34$



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

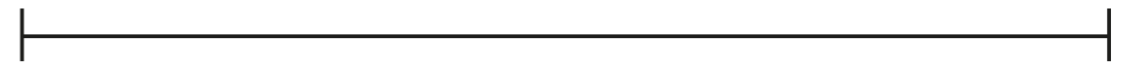


b) Use a number line to complete the multiplications.

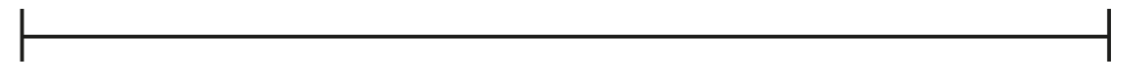
$5 \times 32 = \square$



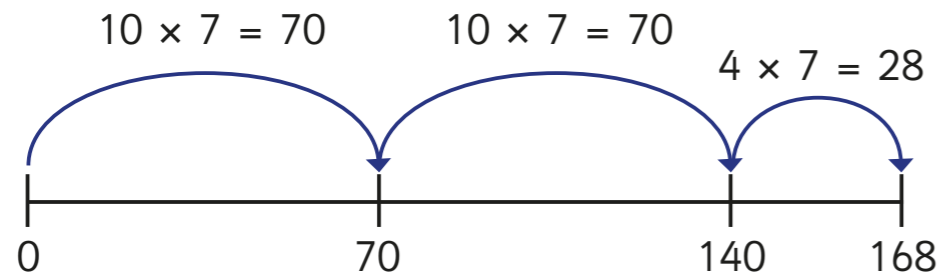
$7 \times 32 = \square$



$4 \times 56 = \square$



- 3 Mo uses a number line to work out  $7 \times 34$



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  $43 \times 5$

$$40 \times 5 = 200$$

$$3 \times 5 = 15$$

$$43 \times 5 = 215$$

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.

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

Which of the multiplications would you calculate mentally?

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

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Talk about your choices with a partner.

Complete the multiplications. Show your working where necessary.

$4 \times 59 = \square$

$9 \times 32 = \square$

$3 \times 33 = \square$

$7 \times 21 = \square$

$5 \times 36 = \square$

$6 \times 25 = \square$