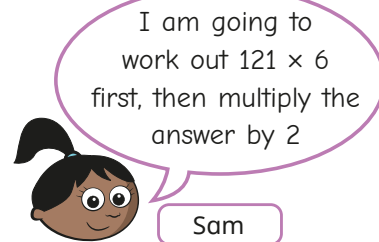
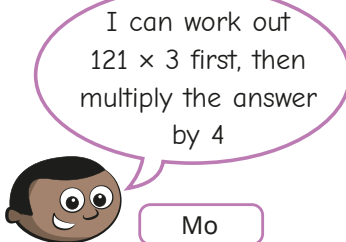


- 1 a) Work out 51×100
b) Use the long multiplication method to work out 51×99
c) What do you notice about your answers to part a) and b)?

- 2 Work out the multiplications.
a) 32×99 b) 21×99 c) 21×999 d) 99×125

- 3 Mo and Sam are using factor pairs to work out 121×12



Complete Mo and Sam's workings.

$121 \times 3 =$	<input type="text"/>
<input type="text"/> $\times 4 =$	<input type="text"/>
So $121 \times 12 =$	<input type="text"/>

$121 \times 6 =$	<input type="text"/>
<input type="text"/> $\times 2 =$	<input type="text"/>
So $121 \times 12 =$	<input type="text"/>

- 4 Find all the factor pairs of each number.
a) 8 b) 15 c) 18 d) 27
- 5 Use factor pairs from question 4 to work out the multiplications.
a) 235×8 b) 314×15 c) 18×152 d) 27×301

- 6 A school serves 134 dinners every day.
There are 8 weeks in a half term.
How many dinners does the school serve in a half term?

- 7 Kim is working out 123×32



I can work out 123×30 and 123×2 , and then add the two products together.

Use Kim's method to work out the multiplications.

- a) 123×32 b) 263×21

- 8 A lorry travels 123 km each day for 43 days.
A train travels 132 km each day for 34 days.
a) Which vehicle travels further?
b) How much further does it travel?

- 9 Jack has worked out that $1,462 \times 27 = 39,474$

- a) Explain to a partner how Jack can use this fact to help work out the multiplications.

$1,462 \times 26$

$1,462 \times 28$

$1,461 \times 27$

$1,461 \times 28$

- b) Work out the answer to each multiplication.

- 10 Are the statements true or false?

a) $258 \times 360 = 2,580 \times 36$

b) $134 \times 23 + 12 = (134 + 12) \times 23$

Explain your answers to a partner.