

# Multiplication using partitioning

Use partitioning to calculate  $TO \times O$



Challenge 1

Partition these numbers into 10s and 1s.

- 1 25  
34  
76  
43



- 2 68  
71  
16  
46



- 3 54  
87  
39  
23



Challenge 2

Estimate the answer first, then partition each of these calculations to work out the answer.

a  $47 \times 5$

b  $32 \times 4$

c  $64 \times 3$

d  $53 \times 5$

e  $26 \times 4$

f  $74 \times 3$

g  $38 \times 4$

h  $91 \times 8$

i  $85 \times 3$

## Example

$$\begin{aligned} 63 \times 5 &\rightarrow 60 \times 5 = 300 \\ &= (60 \times 5) + (3 \times 5) \\ &= 300 + 15 \\ &= 315 \end{aligned}$$

Challenge 3

Solve these word problems.

- 1 Martin receives 27 birthday cards every year for his birthday. He is now 8 years old. How many cards has he received in total?

- 2 Candles are sold in packs of 39. How many candles in 4 packs?

- 3 Wrapping paper is sold in 3 metre rolls. Jamie buys 48 rolls. How many metres of wrapping paper in total?

- 4 A birthday cake needs to be ordered 2 weeks in advance. Martin's birthday is on the 25th May. What is the last date on which the cake can be ordered?

