ltiplication HTO x TO using rtitioning and the grid method

Jse partitioning and the grid method to calculate HTO × TO
stimate and check the answer to a calculation

1 Write the first five multiples of each of these numbers.

a (70) , , , ,   b (600) , , , ,

c (60) , , , ,   d (90) , , , ,

e (400) , , , ,   f (250) , , , ,

g (30) , , , ,   h (150) , , , ,

2 a 6 × 70   b 500 × 8   c 60 × 80   d 90 × 60   e 80 × 90

f 800 × 40   g 300 × 80   h 500 × 50   i 30 × 700   j 400 × 30

k 40 × 90   l 700 × 8   m 7 × 900   n 60 × 60   o 700 × 7

1 Find the answers to these problems.
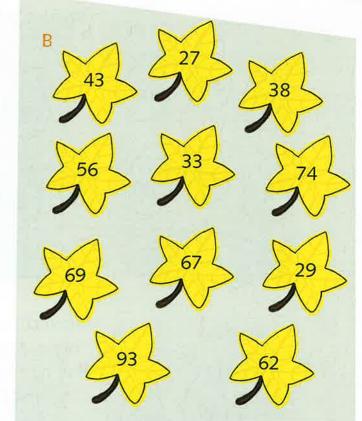
a Maya runs 28 km every day of the year except on her birthday. How many kilometres does she run in a year?

b Barrie swims 14 km per day but only in months of the year that contain the letter 'a'. How many kilometres does he swim in total in a year?

c Heston goes to football practice for 1 and a quarter hours, 3 times a week. How many minutes does he spend practising in a year?

2 Choose one number from box A and one number from box B and create a multiplication calculation. Estimate the answer first, then multiply the numbers together using the grid method. Choose different numbers each time. Write at least eight calculations.

Example

$263 \times 38 \rightarrow 300 \times 40 = 12\,000$

×	200	60	3	
30	6000	1800	90	7890
8	1600	480	24	+ 2104
				9994

A: 243, 528, 167, 346, 648, 623, 727, 263, 337, 259, 94

B: 27, 43, 38, 56, 33, 74, 69, 67, 29, 93, 62

Challenge 3 Find the missing digit in each calculation.

a $164 \times 1\square = 1968$

b $3\square6 \times 18 = 6768$

c $2\square7 \times 25 = 5675$

d $374 \times \square4 = 8976$

e $326 \times 1\square = 4564$

f $\square38 \times 22 = 9636$