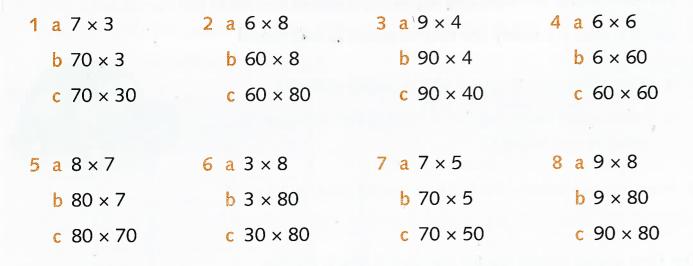
ultiplication TO x TO using partitioning

Use partitioning to calculate TO × TO

Estimate and check the answer to a calculation



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

$\frac{a}{46} \times 42$	D 38 × 33	C 84 × 56
d 48 × 65	e 26 × 39	f 74 × 58
g 78 × 46	h 61 × 78	i 85 × 92
j 35 × 24	k 68 × 37	54 × 26
m 72 × 38	n 66 × 66	o 88 × 88

Example

$$63 \times 38 \rightarrow 60 \times 40 = 2400$$

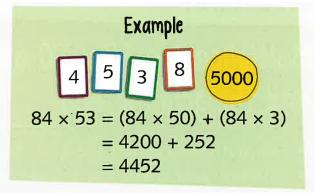
 $63 \times 38 = (63 \times 30) + (63 \times 8)$
 $= 1890 + 504$
 $= 2394$

2 Look carefully at the numbers in the calculations in Question 1. Find three calculations that could be worked out using a different strategy. Find the answer using your chosen strategy. Explain why you chose your method.



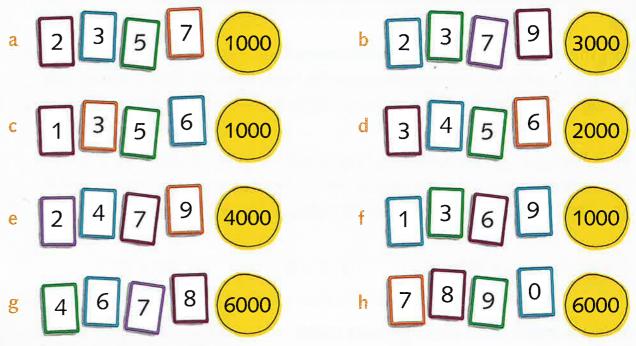
Challeng

Using each of the four number cards only once, make a TO x TO calculation that gives an answer as close as possible to the answer shown in the circle.



Hint

An operation



2 Copy these number machines. Write the missing numbers and decide which operations to use.

