

Division $HTO \div O$ using partitioning



Use partitioning to calculate $HTO \div O$

Challenge 1

- | | | | |
|-----------------------|------------------------|------------------------|------------------------|
| 1 a $8 \div 2$ | 2 a $42 \div 7$ | 3 a $48 \div 8$ | 4 a $54 \div 6$ |
| b $80 \div 2$ | b $420 \div 7$ | b $480 \div 8$ | b $540 \div 6$ |
| c $800 \div 2$ | c $4200 \div 7$ | c $4800 \div 8$ | c $5400 \div 6$ |

Challenge 2

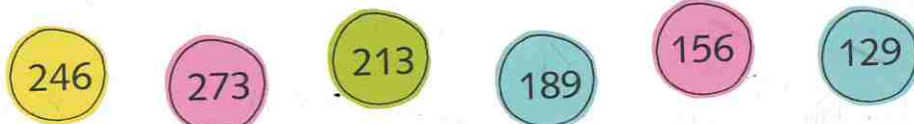
- 1** Choose three numbers from the circles. Divide each number by 3 using the mental partitioning method of division.

Example

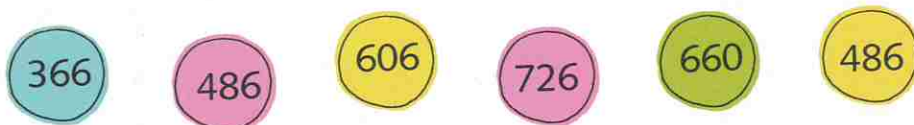
$$186 \div 3 = (180 \div 3) + (6 \div 3)$$

$$= 60 + 2$$

$$= 62$$



- 2** Choose three numbers from the circles. Divide each number by 6 using the mental partitioning method of division.












- 3** Choose three numbers from the circles. Divide each number by 4 using the mental partitioning method of division.



Challenge 3

- 1** Oh no! The ink pot has spilled. Find the missing numbers.

a $164 \div 4 =$ 	b $279 \div$  $= 93$	c $455 \div 5 =$ 
d $246 \div$  $= 41$	e $369 \div$  $= 41$	f $208 \div 4 =$ 
g $364 \div 4 =$ 	h  $\div 7 = 71$	i  $\div 8 = 31$

- 2** Explain how you worked out the numbers covered by the ink in questions **h** and **i**

