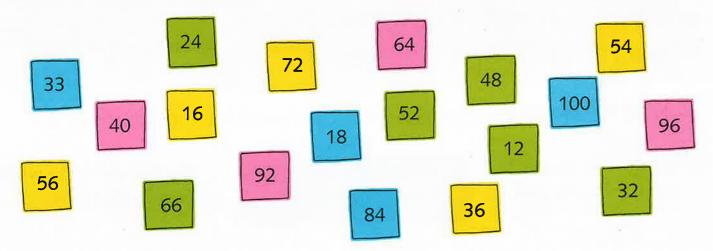
## vision ThHTO ÷ 0 with a fraction remainder

Jse the formal written method of short division to alculate ThHTO ÷ O (fraction remainder)

Stimate and check the answer to a calculation

These multiples are all jumbled. Sort them into multiples of 4, 6 and 8. You may use the same multiple more than once.

Example  $6 \rightarrow 24, 36, \dots$ 



1 For each division calculation, write your estimate. Then use the formal written method of short division to work out the answer. Record any remainders as a fraction.

$$4276 \div 8 \longrightarrow 4000 \div 8 = 500$$
Th H T O
$$5 \quad 3 \quad 4 \quad r \cdot 4 = 534\frac{4}{8} = 534\frac{1}{2}$$
 $8 \quad 4 \quad 2^{2}7^{3}6$ 

Example

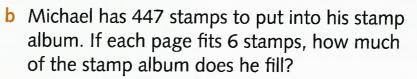
**a** 
$$1598 \div 5$$
 **b**  $3275 \div 6$  **c**  $3645 \div 4$ 

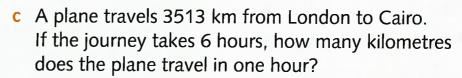
d 
$$2664 \div 8$$
 e  $4391 \div 4$  f  $2765 \div 3$ 

g 
$$6472 \div 9$$
 h  $2854 \div 3$  i  $4538 \div 8$ 



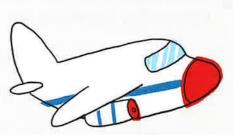
- 2 Find the answers to these problems.
  - a The market stall owner sells 2768 bowls of oranges to 8 people. Each person receives the same number of bowls. How many bowls do they each receive?





d 516 small packs of sweets are shared out equally between 8 classes. How many packs do each class receive?







- Write a calculation to match each of the clues.
  - a When I divide a 4-digit number by 4, my answer has a remainder of  $\frac{1}{2}$ .
- b When I divide a 3-digit number by 6, my answer has a remainder of  $\frac{1}{3}$ .
- c When I divide a 4-digit number by 9, my answer has a remainder of  $\frac{2}{3}$ .

- d When I divide a 4-digit number between 2000 and 4000 by 4, my answer has a remainder of  $\frac{3}{4}$ .
- e When I divide a 4-digit even number by 5 my answer has a remainder of  $\frac{2}{5}$ .

