Division using the formal written method (1)

Use the formal written method to calculate HTO ÷ O

Challenge 1

1 These calculations are incomplete. Write the missing number.

a 54 ÷ 9 = **b** 48 ÷ = 8 **c** ÷ 9 = 3

d ÷ 4 = 6 **e** 21 ÷ 7 = **f** 36 ÷ = 6

2 These calculations are also incomplete. One or more digits are missing. Write the missing digits.

a 4 ÷ 8 = 8 **b** 6 ÷ = 9 **c** 3 ÷ 4 = 8

d 2 ÷ 4 = 7 **e** 6 ÷ = 11 **f** 7 ÷ = 10

3 Find the 10 times multiple of the number at the top of the column that is closest to, but less than, each of the 3-digit numbers.

4	6	7	9
148	138	168	216
116	204	245	171
132	174	273	288

Example

10 times multiple of 4 closest to, but less than, 148.

10 x 4 = 40

20 x 4 = 80

30 x 4 = 120 ⟶ 148

Challenges 2,3

Choose two 3-digit numbers from each column in Question 3 of Challenge 1. Divide the 3-digit number by the 1-digit number in the box at the top of the column. Use the formal written method.

Example

148 ÷ 4

	H	T	O
		3	7
4	1	4	$^{2}8$

Challenge 3

Find and complete the multiplication calculations below that match your eight division calculations in Challenges 2,3.

37 × 4 = 148	32 × 9	29 × 4	39 × 7
24 × 7	24 × 9	33 × 4	19 × 9
29 × 6	35 × 7	23 × 6	34 × 6