# Division HTO ÷ O using partitioning

## Use partitioning to calculate HTO ÷ O

**Challenge 1**

**1** **a** 8 ÷ 2
**b** 80 ÷ 2
**c** 800 ÷ 2

**2** **a** 42 ÷ 7
**b** 420 ÷ 7
**c** 4200 ÷ 7

**3** **a** 48 ÷ 8
**b** 480 ÷ 8
**c** 4800 ÷ 8

**4** **a** 54 ÷ 6
**b** 540 ÷ 6
**c** 5400 ÷ 6

**Challenge 2**

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

**Example**
186 ÷ 3 = (180 ÷ 3) + (6 ÷ 3)
= 60 + 2
= 62

246 273 213 189 156 129

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

366 486 606 726 660 486

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

124 168 244 288 448 364

**Challenge 3**

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

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

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