

# Division $TO \div O$ using partitioning

Use partitioning to calculate  $TO \div O$



**Challenge 1**

In each set of balloons, find the multiples of the number on the label.

**a** 60 210 480 300 120 320 70 240 540 250

**b** 720 630 200 410 540 440 160 270 180 360

**c** 240 120 640 60 560 400 320 600 80 420

**d** 630 100 150 180 280 350 200 490 210 420

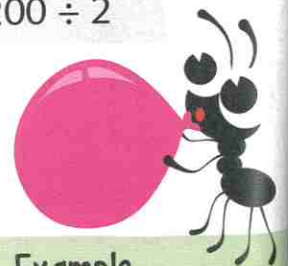
**Challenge 2**

- |                        |                       |                        |                       |
|------------------------|-----------------------|------------------------|-----------------------|
| <b>1 a</b> $66 \div 6$ | <b>b</b> $660 \div 6$ | <b>2 a</b> $40 \div 8$ | <b>b</b> $400 \div 8$ |
| <b>3 a</b> $18 \div 2$ | <b>b</b> $180 \div 2$ | <b>4 a</b> $32 \div 4$ | <b>b</b> $320 \div 4$ |
| <b>5 a</b> $32 \div 8$ | <b>b</b> $320 \div 8$ | <b>6 a</b> $24 \div 6$ | <b>b</b> $240 \div 6$ |
| <b>7 a</b> $27 \div 3$ | <b>b</b> $270 \div 3$ | <b>8 a</b> $35 \div 7$ | <b>b</b> $350 \div 7$ |
| <b>9 a</b> $54 \div 9$ | <b>b</b> $540 \div 9$ | <b>10a</b> $20 \div 2$ | <b>b</b> $200 \div 2$ |

**Challenge 3**

Partition each of these numbers to help you find the answer to the division calculations.

- |                      |                      |                      |
|----------------------|----------------------|----------------------|
| <b>a</b> $76 \div 4$ | <b>b</b> $96 \div 6$ | <b>c</b> $92 \div 4$ |
| <b>d</b> $84 \div 6$ | <b>e</b> $96 \div 2$ | <b>f</b> $91 \div 7$ |



**Example**

$$81 \div 3 = (60 + 21) \div 3$$

$$= 20 + 7$$

$$= 27$$