

## B2 DOUBLING AND HALVING

58

I can double and halve two-digit numbers.

Examples

Double 17

$$\begin{array}{r} 10 + 7 \\ \downarrow \quad \downarrow \times 2 \\ 20 + 14 = 34 \end{array}$$

Double 68

$$\begin{array}{r} 60 + 8 \\ \downarrow \quad \downarrow \times 2 \\ 120 + 16 = 136 \end{array}$$

Half of 18

$$\begin{array}{r} 10 + 8 \\ \downarrow \quad \downarrow \div 2 \\ 5 + 4 = 9 \end{array}$$

Half of 76

$$\begin{array}{r} 70 + 6 \\ \downarrow \quad \downarrow \div 2 \\ 35 + 3 = 38 \end{array}$$

Half of 76

$$\begin{array}{r} 60 + 16 \\ \downarrow \quad \downarrow \div 2 \\ 30 + 8 = 38 \end{array}$$

### A

Double each number.

- |       |       |
|-------|-------|
| 1 2   | 5 7   |
| 2 3   | 6 9   |
| 3 8   | 7 4   |
| 4 5   | 8 6   |
| 9 40  | 13 80 |
| 10 60 | 14 30 |
| 11 90 | 15 70 |
| 12 10 | 16 50 |
| 17 15 | 21 13 |
| 18 17 | 22 16 |
| 19 12 | 23 14 |
| 20 18 | 24 19 |

Copy and complete.

- 25  $16 \div 2 = (10 + 6) \div 2$   
=
- 26  $12 \div 2 = (10 + 2) \div 2$   
=
- 27  $18 \div 2 = (10 + 8) \div 2$   
=
- 28  $14 \div 2 = (10 + 4) \div 2$   
=

Halve each number.

- |        |       |
|--------|-------|
| 29 60  | 33 30 |
| 30 100 | 34 70 |
| 31 80  | 35 50 |
| 32 40  | 36 90 |

### B

Work out

- |                 |                  |
|-----------------|------------------|
| 1 $23 \times 2$ | 9 $27 \times 2$  |
| 2 $31 \times 2$ | 10 $45 \times 2$ |
| 3 $22 \times 2$ | 11 $36 \times 2$ |
| 4 $35 \times 2$ | 12 $49 \times 2$ |
| 5 $44 \times 2$ | 13 $24 \times 2$ |
| 6 $29 \times 2$ | 14 $37 \times 2$ |
| 7 $25 \times 2$ | 15 $28 \times 2$ |
| 8 $38 \times 2$ | 16 $46 \times 2$ |
| 17 $22 \div 2$  | 25 $34 \div 2$   |
| 18 $46 \div 2$  | 26 $58 \div 2$   |
| 19 $84 \div 2$  | 27 $72 \div 2$   |
| 20 $68 \div 2$  | 28 $36 \div 2$   |
| 21 $42 \div 2$  | 29 $94 \div 2$   |
| 22 $26 \div 2$  | 30 $52 \div 2$   |
| 23 $64 \div 2$  | 31 $76 \div 2$   |
| 24 $88 \div 2$  | 32 $96 \div 2$   |

Work out by partitioning.

- |                  |                 |
|------------------|-----------------|
| 33 $64 \times 2$ | 39 $162 \div 2$ |
| 34 $56 \times 2$ | 40 $134 \div 2$ |
| 35 $78 \times 2$ | 41 $158 \div 2$ |
| 36 $93 \times 2$ | 42 $178 \div 2$ |
| 37 $67 \times 2$ | 43 $116 \div 2$ |
| 38 $59 \times 2$ | 44 $174 \div 2$ |

### C

Copy and complete

- |                                          |
|------------------------------------------|
| 1 <input type="text"/> $\times 2 = 62$   |
| 2 <input type="text"/> $\times 2 = 76$   |
| 3 <input type="text"/> $\times 2 = 136$  |
| 4 <input type="text"/> $\times 2 = 184$  |
| 5 <input type="text"/> $\times 2 = 1520$ |
| 6 <input type="text"/> $\times 2 = 1380$ |
| 7 <input type="text"/> $\times 2 = 7800$ |
| 8 <input type="text"/> $\times 2 = 1160$ |
| 9 <input type="text"/> $\div 2 = 92$     |
| 10 <input type="text"/> $\div 2 = 76$    |
| 11 <input type="text"/> $\div 2 = 59$    |
| 12 <input type="text"/> $\div 2 = 54$    |
| 13 <input type="text"/> $\div 2 = 770$   |
| 14 <input type="text"/> $\div 2 = 980$   |
| 15 <input type="text"/> $\div 2 = 7300$  |
| 16 <input type="text"/> $\div 2 = 8600$  |

Double by partitioning.

- |        |        |
|--------|--------|
| 17 143 | 21 138 |
| 18 156 | 22 179 |
| 19 167 | 23 185 |
| 20 174 | 24 197 |

Halve by partitioning.

- |        |        |
|--------|--------|
| 25 244 | 29 392 |
| 26 338 | 30 296 |
| 27 256 | 31 318 |
| 28 354 | 32 376 |