

TARGET To round decimals to the nearest tenth or hundredth.

Examples

Rounding to the nearest whole number.

$$4.93 \rightarrow 5$$

$$97.286 \rightarrow 97$$

Rounding to the nearest tenth.

$$10.34 \rightarrow 10.3$$

$$0.284 \rightarrow 0.3$$

Rounding to the nearest hundredth.

$$5.481 \rightarrow 5.48$$

$$6.1552 \rightarrow 6.16$$

Rounding to the nearest thousandth.

$$0.3716 \rightarrow 0.372$$

$$8.5193 \rightarrow 8.519$$

A

Copy and complete by choosing one of the numbers in the brackets.

- 1 $2.4 \rightarrow (2, 3)$
- 2 $6.6 \rightarrow (6, 7)$
- 3 $12.9 \rightarrow (12, 13)$
- 4 $1.1 \rightarrow (1, 2)$
- 5 $9.5 \rightarrow (9, 10)$
- 6 $4.37 \rightarrow (4.3, 4.4)$
- 7 $1.92 \rightarrow (1.9, 2.0)$
- 8 $2.75 \rightarrow (2.7, 2.8)$
- 9 $5.48 \rightarrow (5.4, 5.5)$
- 10 $1.63 \rightarrow (1.6, 1.7)$

Round to the nearest:

- a) pound
- b) 10p.

- 11 £5.26 17 £1.05
- 12 £8.94 18 £96.68
- 13 £7.45 19 £2.44
- 14 £11.72 20 £81.56
- 15 £9.39 21 £5.03
- 16 £3.21 22 £10.99

B

Round to the nearest tenth.

- 1 1.37 6 8.427
- 2 6.536 7 2.883
- 3 4.26 8 91.109
- 4 31.95 9 1.692
- 5 7.74 10 13.36

Round to the nearest hundredth.

- 11 0.759 16 0.523
- 12 4.394 17 5.976
- 13 1.162 18 61.468
- 14 17.285 19 20.831
- 15 3.007 20 6.625

Round to the nearest:

- a) 100 g
- b) 10 g.

- 21 1.348 kg
- 22 10.782 kg
- 23 9.145 kg
- 24 21.096 kg
- 25 152.563 kg
- 26 0.177 kg
- 27 34.459 kg
- 28 273.105 kg

C

Round to the nearest hundredth.

- 1 0.326 6 6.737
- 2 2.583 7 0.175
- 3 14.952 8 51.249
- 4 1.808 9 3.761
- 5 2.093 10 8.454

Round to the nearest thousandth.

- 11 1.7292 16 0.1739
- 12 0.3546 17 6.1371
- 13 2.1062 18 2.8653
- 14 3.4128 19 5.2982
- 15 1.0851 20 0.5417

Round to the nearest:

- a) $\frac{1}{100}$
- b) $\frac{1}{1000}$.

- 21 3.636363
- 22 0.372519
- 23 1.81912
- 24 7.054806
- 25 4.513513
- 26 0.714285714
- 27 6.157894737
- 28 1.0053816

TARGET To round decimals to up to three decimal places.

Examples

Rounding to the nearest whole number.

Rounding to 1 decimal place.

Rounding to 2 decimal places.

Rounding to 3 decimal places.

$$4.931 \rightarrow 5$$

$$10.3473 \rightarrow 10.3$$

$$5.48129 \rightarrow 5.48$$

$$0.3716 \rightarrow 0.372$$

$$97.286 \rightarrow 97$$

$$0.284 \rightarrow 0.3$$

$$6.1552 \rightarrow 6.16$$

$$8.51939 \rightarrow 8.519$$

A

Round to the nearest whole number.

- | | |
|---------|-----------|
| 1 1.6 | 7 22.62 |
| 2 7.83 | 8 18.45 |
| 3 35.17 | 9 49.514 |
| 4 63.5 | 10 3.13 |
| 5 6.38 | 11 184.7 |
| 6 24.05 | 12 50.909 |

Round to 1 decimal place.

- | | |
|-----------|-----------|
| 13 0.64 | 19 1.436 |
| 14 4.39 | 20 15.76 |
| 15 3.552 | 21 0.915 |
| 16 12.108 | 22 6.28 |
| 17 28.07 | 23 11.153 |
| 18 0.829 | 24 2.547 |

Round to the nearest:

a) litre

b) 100 ml.

- | |
|-----------------|
| 25 1.72 litres |
| 26 8.382 litres |
| 27 6.539 litres |
| 28 0.26 litres |
| 29 9.644 litres |
| 30 5.918 litres |

B

Round to 2 decimal places.

- | | |
|-----------|------------|
| 1 3.368 | 7 9.0572 |
| 2 0.9427 | 8 2.3719 |
| 3 25.625 | 9 68.234 |
| 4 7.1061 | 10 1.1986 |
| 5 0.5194 | 11 40.4137 |
| 6 14.8735 | 12 5.785 |

Round to 3 decimal places.

- | | |
|------------|------------|
| 13 7.3281 | 19 0.53181 |
| 14 0.8079 | 20 9.6026 |
| 15 21.7245 | 21 3.36532 |
| 16 2.4932 | 22 10.2005 |
| 17 1.8567 | 23 1.1761 |
| 18 4.9194 | 24 5.06873 |

Round each number to:

a) 1 decimal place

b) 2 decimal places.

- | | |
|------------|------------|
| 25 6.3691 | 31 2.0375 |
| 26 3.924 | 32 1.48253 |
| 27 7.5485 | 33 39.5284 |
| 28 0.69708 | 34 8.351 |
| 29 15.7554 | 35 0.9762 |
| 30 94.813 | 36 3.24507 |

C

Round each number to:

a) 2 decimal places

b) 3 decimal places.

- | | |
|------------|------------|
| 1 1.2746 | 7 2.60072 |
| 2 6.50834 | 8 0.44633 |
| 3 0.189931 | 9 5.3526 |
| 4 43.9115 | 10 17.1275 |
| 5 9.68501 | 11 0.81438 |
| 6 0.73395 | 12 1.09592 |

Use a calculator.

Work out, giving each

answer correct to:

a) 1 decimal place

b) 2 decimal places

c) 3 decimal places.

- | |
|------------------|
| 13 $68 \div 9$ |
| 14 $93 \div 11$ |
| 15 $44 \div 7$ |
| 16 $71 \div 6$ |
| 17 $152 \div 3$ |
| 18 $30 \div 13$ |
| 19 $129 \div 16$ |
| 20 $65 \div 14$ |
| 21 $50 \div 19$ |
| 22 $83 \div 7$ |
| 23 $175 \div 11$ |
| 24 $91 \div 17$ |