ROUNDING DECIMALS

TARGET To round decimals to the nearest whole number or tenth.

Always look at the column to the right of that to which you are rounding.
5 or more, round up. Less than 5, round down.

Examples

Round to the nearest whole number. $5 \cdot \underline{1}8 \rightarrow 5$ $7 \cdot \underline{5}3 \rightarrow 8$

Round to the nearest tenth. $5 \cdot 1\underline{8} \rightarrow 5 \cdot 2$ $7 \cdot 5\underline{3} \rightarrow 7 \cdot 5$

A

Round to the nearest whole number.

1	0·6	7	15·84
2	3·28	8	2·9
3	6·5	9	16·3
4	12·7	10	0·52
5	1·05	11	10·17
6	18·4	12	21·63

Round to the nearest pound.

13	£4·25	19	£2·62
14	£11·73	20	£8·07
15	£5·48	21	£10·83
16	£9·52	22	£7·28
17	£16·90	23	£1·54
18	£3·17	24	£15·39

Approximate by rounding to the nearest pound.

25 £15·81 + £7·38

26 £32·47 + £6·72

27 £10·53 + £4·94

28 £8·26 + £2·06

29 £21·64 − £5·80

30 £16·18 − £3·93

31 £43·45 − £9·29

32 £39·09 − £1·51

B

Round to the nearest:
a) whole number
b) tenth.

1	2·39	6	3·263
2	7·138	7	8·947
3	1·85	8	15·63
4	16·074	9	4·453
5	9·52	10	0·78

Round to the nearest:
a) pound
b) 10p.

11	£3·93	16	£2·09
12	£5·28	17	£6·54
13	£9·46	18	£3·37
14	£14·73	19	£8·82
15	£0·61	20	£11·15

Approximate by rounding to the nearest whole number.

21 57·53 + 18·35

22 32·92 + 24·74

23 75·29 − 16·08

24 51·16 − 9·81

25 14·62 × 8

26 6·49 × 12

27 44·7 ÷ 5

28 68·51 ÷ 3

C

Round to the nearest:
a) hundredth
b) tenth.

1	0·263	6	2·397
2	3·745	7	0·036
3	1·452	8	4·981
4	0·179	9	8·505
5	7·824	10	5·658

Round to the nearest:
a) 10 grams
b) 100 grams.

11	6·738 kg	16	0·472 kg
12	2·351 kg	17	3·066 kg
13	0·915 kg	18	7·643 kg
14	5·287 kg	19	0·959 kg
15	1·594 kg	20	4·125 kg

Approximate by rounding to the nearest tenth.

21 6·548 + 3·97

22 4·39 + 2·751

23 9·605 − 1·82

24 7·48 − 3·236

25 8·06 × 7

26 4·71 × 9

27 6·35 ÷ 4

28 7·825 ÷ 6