

Adding and Subtracting Decimals

1.

- a. $4.3 + 5.8$
- b. $2.11 + 4.37$
- c. $8.63 + 2.7$
- d. $0.035 + 6.13$
- e. $15.24 + 34.291$
- f. $8.3 + 10.35 + 0.007$

2.

- a. $6.74 - 2.31$
- b. $4.92 - 2.78$
- c. $4 - 0.58$
- d. $3.1 - 2.46$
- e. $9.35 - 1.374$
- f. $17.2 + 7.18 - 4.573$

Calculations with Negative Numbers

1. Evaluate the following:

- a. $-8 + 11$
- b. $4 - 6$
- c. $-2 - 7$
- d. $-9 + 4$
- e. $4 + -3$
- f. $9 - +7$
- g. $2 - -6$
- h. $-8 + 10$

Column Addition and Subtraction

1. Work out

a. $32 + 45$

b. $536 + 61$

c. $492 + 671$

d. $8432 + 128$

e. $3129 + 4235$

2. Work out

a. $87 - 13$

b. $487 - 133$

c. $548 - 97$

d. $200 - 46$

e. $3000 - 863$

Multiplication and Division

a. 48×6

b. 73×4

c. 614×7

d. 28×45

e. 42×18

f. 173×24

a. $570 \div 5$

b. $438 \div 6$

c. $5761 \div 7$

d. $2912 \div 8$

e. $11\,547 \div 9$

a. $740 \div 20$

b. $456 \div 12$

c. $693 \div 11$

d. $4956 \div 14$

Multiplying and Dividing by Powers of 10

1.

a. 3×10

b. 21×10

c. 18×100

d. 48×1000

e. 3.2×10

f. 5.1×100

g. 2.74×10

h. 3.92×100

i. 43.16×1000

j. 0.0035×100

2.

a. $40 \div 10$

b. $300 \div 10$

c. $25 \div 10$

d. $821 \div 100$

e. $37 \div 100$

f. $2.9 \div 10$

g. $8.5 \div 100$

h. $0.4 \div 100$

i. $2.91 \div 1000$

j. $0.0048 \div 100$

Multiplying and Dividing with Decimals

Work out the answer to each question, showing all your working out.

1.

a. 3×0.2

b. 0.4×6

c. 5×0.3

d. 7×0.06

e. 7×0.12

f. 9×4.1

2.

a. 23×0.6

b. 35×2.4

c. 68×3.7

Challenge

Given that $368 \times 51 = 18\,768$, work out:

a. 3680×510

b. 3.68×0.51

c. 0.368×510

d. $1876.8 \div 510$

Order of Operations

1. Calculate

a. $20 + 3 \times 5$

b. $14 - 4 \times 2$

c. $3 \times (4 + 6)$

d. $17 + 8 \div 4$

e. $15 - 10 \div 2$

2. Calculate

a. $4^2 + 3^2$

b. $5^2 \times 2^3$

c. $(8 + 1)^2$

d. $4 - 2^2$

e. $3 \times (1 - 4)^2$

3. Put a pair of brackets into the statements below to make them correct.

a. $5 \times 6 + 4 - 2 = 48$

b. $9 - 2 \times 5 + 1 = -3$

c. $7 + 9 \div 2 - 4 = 4$