



Decimals: Addition and subtraction

1) Addition

a) $0.32 + 0.41$

b) $0.81 + 0.15$

c) $1.24 + 1.67$

d) $4.17 + 5.84$

e) $1.325 + 1.251$

f) $4.176 + 8.872$

g) $10.12 + 20.99$

h) $5.6124 + 7.5129$

2) Subtraction

a) $0.87 - 0.41$

b) $1.81 - 0.22$

c) $1.24 - 0.67$

d) $5.17 - 3.22$

e) $8.325 - 1.471$

f) $12.176 - 6.821$

g) $13.51 - 8.69$

h) $5.1111 - 3.9999$

3) A mixture of the two

a) $0.7 + 0.41$

b) $1.81 - 0.2$

c) $1.245 + 1.672$

d) $5.1 - 2.22$

e) $8.325 + 1.4719$

f) $12.17 - 8.929$

g) $13.501 - 8.09$

h) ******* $5.32 - 8.68$ *******

Word problems

- Jack has five pencils each of length 12.123cm. Find the total length
- Simon is 1.913m. He puts on shoes which have a height of 8.51cm. How tall is he in metres with his shoes on?
- Janet drinks 1.5 litres of coke and 126.5 ml of orange juice. How much has she drunk in total?
- Timothy purchased a piece of wood with a length of 2m. He cuts off 0.82m, then he cuts off 23.45cm and finally he cuts off 345.2mm. How much wood does he have left in metres?
- Three aliens lie in a long line. One Alien is 345.54m long. The second is 1.32km long. The third is 34.2cm. What is their total length in metres?

Enrichment

So you think you are good? Time yourself to see how long each of these takes!

a) $1 + 1.1 + 1.2 + 1.3 + 1.4 + 1.5 + 1.6 + 1.7 + 1.8 + 1.9 + 2.0$

b) $100 - 1.99 - 1.98 - 1.97 - 1.96 - 1.95 - 1.94 - 1.93 - 1.92 - 1.91$

c) *Can you think of a clever way of adding up:*

$0 + 0.1 + 0.2 + 0.3 + \dots + 49.7 + 49.8 + 49.9 + 50.0$