

Decimal Arithmetic

Add, subtract, multiply & divide decimals

Starter Questions

Evaluate without a calculator:

a) $0.6 + 1.96$

b) $1.2 - 0.49$

c) 0.3×0.2

d) $2.4 \div 0.08$

e) 5.6×0.32

f) $0.12 \div 0.003$

g) $\frac{3}{5} + 0.9$

h) $0.89 - 1.2$

Harder Questions

Evaluate without a calculator:

a) $0.9 + 0.89 - 1.99$

b) $5.71 - (2.9 + 1.22)$

c) 0.9^3

d) $1 \div 0.3$

e) $0.1 + 0.2 \times 0.3$

f) $\frac{0.2 + 0.99}{1 - 0.3}$

Extension Question

A maths teacher bought 5 protractors for 56p each and a number of rulers costing 45p each. The total cost was £10.

How many rulers did the maths teacher buy?

Decimal Arithmetic

Answers

Starter Questions

Evaluate without a calculator:

a) $0.6 + 1.96$

$= \underline{2.56}$

b) $1.2 - 0.49$

$= \underline{0.71}$

c) 0.3×0.2

$= \underline{0.06}$

d) $2.4 \div 0.08$

$= \underline{30}$

e) 5.6×0.32

$= \underline{1.792}$

f) $0.12 \div 0.003$

$= \underline{40}$

g) $\frac{3}{5} + 0.9$

$= \underline{1.5}$

h) $0.89 - 1.2$

$= \underline{-0.31}$

Harder Questions

Evaluate without a calculator:

a) $0.9 + 0.89 - 1.99$

$= \underline{-0.2}$

b) $5.71 - (2.9 + 1.22)$

$= \underline{1.59}$

c) 0.9^3

$= \underline{0.729}$

d) $1 \div 0.3$

$= \underline{3.33333.....}$

e) $0.1 + 0.2 \times 0.3$

$= \underline{0.16}$

f) $\frac{0.2 + 0.99}{1 - 0.3}$

$= \underline{1.7}$

Extension Question

A maths teacher bought 5 protractors for 56p each and a number of rulers costing 45p each. The total cost was £10.

How many rulers did the maths teacher buy?

16 rulers