

Math 01, Homework 1 on Sections 1.1 - 1.6

Write all your working out and answers on your own notepaper - no need to write the questions. Please use lots of space.

It is very important that you show clearly any work you had to do to get your answers. Just writing the answer down with no work shown is not enough. All 18 questions are worth 2 points each.

Do these first 10 questions and *check that your answers match the solutions on page 2*. If you don't get the same answers then look at your notes or the book or ask me. Only do the last eight questions when you are sure you understand the first ten.

(1) Add: $383 + 47$

(2) Add:

$$\begin{array}{r} 56320 \\ 9864 \\ 904 \\ + 6503 \end{array}$$

(3) Subtract: $6389 - 999$

(4) Subtract:

$$\begin{array}{r} 9001010 \\ - 1111111 \end{array}$$

(5) Multiply: 83×5

(6) Multiply: 837×54

(7) Evaluate: (a) 5^4 , (b) $\sqrt{121}$

(8) Divide, giving the quotient and remainder: $37 \div 11$

(9) Divide, giving the quotient and remainder: $578 \div 19$

(10) Divide: $0 \div 100$

Questions continue on page 2

Eight more questions. Show clearly all your working out and reasoning.

(11) Add: $57 + 819$

(12) Subtract: $5432 - 123$

(13) Subtract:

$$\begin{array}{r} 9001010 \\ - 3790222 \\ \hline \end{array}$$

(14) Multiply: 493×78

(15) Evaluate: 7^3

(16) Evaluate: $\sqrt{400}$

(17) Divide, giving the quotient and remainder: $57 \div 11$

(18) Divide, giving the quotient and remainder: $600 \div 17$

Answers to questions (1)-(10):

(1) 430

(2) 73591

(3) 5390

(4) 7889899

(5) 415

(6) 45198

(7) (a) 625, (b) 11

(8) 3 R 4

(9) 30 R 8

(10) 0