N052 Order of operations

Q1.

Here is a list of six numbers.

2 3 5 6 7 8

From the list, write a number in each box, to make each statement correct.

(i) ☐ + ☐ x ☐ = 61

(ii) ☐ − ☐ ÷ ☐ = 0

(Total for question = 2 marks)

Q2.

(a) Find the value of 8 × (2 − 7)

.....

(1)

(b) Find the value of 12 ÷ (2 − 5)

.....

(1)

(c) Find the value of 20 – 3 + 7

.....

(1)

(Total for question = 3 marks)

Q3.

(a) Find the value of $16 \times (12 \div 4)^2$

.....

(2)

(b) Find the value of $8 - 2 \times 4^2$

.....

(2)

(c) Find the value of $(4 \times 2^3) \div (14 - 6)$

.....

(2)

(Total for question = 6 marks)

Q4.

(a) Use brackets to make the statement true $4 \times 7 - 5^3 = 32$

.....

(1)

(b) Use brackets to make the statement true $5 - 4 \times 3 - 9 = 2$

.....

(1)

(Total for question = 2 marks)

Q5.

(a) Work out $\dfrac{4 \times 7 - 3}{3 - (12 \div 2)}$

.....

(2)

(b) Work out $\dfrac{2 \times 6^2 - 17}{8 + (14 \div 2)}$

.....

(2)

(Total for question = 4 marks)

Q6.

Work out $\frac{7}{9} - \frac{2}{3} \times \frac{3}{8}$

.....

(Total for question = 2 marks)