1. (a) Work out $4 \times 3 + 2$

....
(1)

(b) Work out $20 - 12 \div 4$

....
(1)

(c) Work out $(18 \div 3) + (20 \div 5)$

....
(1)

(d) Work out $(3 + 5)^2$

....
(1)

(4 marks)

2. Work out

(i) $3 \times 3 - 5$

....

(ii) $20 \div (12 - 2)$

....

(iii) $7 + 8 \div 4$

....

(3 marks)

3. Beth says $20 - 5 \times 3$ is 45

Pat says $20 - 5 \times 3$ is 5

(a) Who is right?
Give a reason for your answer.

.... is right

(2)

(b) Work out $(12 + 9) \div 3$

....

(1)

(3 marks)

4. (a) Work out the value of

(i) the square of 6

....

(ii) 2^4

....

(2)

(b) Work out the value of

(i) $-10 \div 5$

....

(ii) -3×-4

....

(2)

(4 marks)

5. (a) Work out $2 \times (11 + 9)$

....
(1)

(b) Work out $3 \times 5 + 4$

....
(1)

(c) Work out $20 - 5 \times 3$

....
(1)
(3 marks)

6. (a) Work out the value of $(4 + 5) \times 2 + 3$

…………………
(1)

(b) Add brackets ( ) to make each statement correct.
You may use more than one pair of brackets in each statement.

(i) $4 + 5 \times 2 + 3 = 29$

(ii) $4 + 5 \times 2 + 3 = 45$

(2)
(3 marks)

7. (a) Work out the value of $(2 + 3) \times 4 + 5$

…………………

(1)

(b) Add brackets ( ) to make each statement correct.
You may use more than one pair of brackets in each statement.

(i) $2 + 3 \times 4 + 5 = 29$

(ii) $2 + 3 \times 4 + 5 = 45$

(2)
(3 marks)

8. Work out

(i) $2 \times 3 + 4$

…………………….

(ii) $3 + 5 \times 2$

…………………….

(ii) $16 \div (2 \times 4)$

…………………….
(3 marks)

9. (a) Work out

$$\frac{-8 \times -3}{-6}$$

....
(1)

(b) Work out

$33 \times 10 - 6 \times 5$

....
(2)

(c) Work out

$6 + 2 \times (5 - 1)$

....
(2)

(5 marks)

10. Frankie says that $\quad 15 - 3 \times 2 = 24$

Frankie is wrong.
Explain why.

....

....

....

....

(3 marks)

11. (a)   Work out $4 \times 5 - 8$

....
(1)

(b)   Work out $18 + 2 \times 3$

....
(1)

(c)   Work out $7 + 3 \times 5$

....
(1)

(d)   Work out $13 - 3 \times 4 + 2$

....
(1)

(e)   Work out $(4 + 3) \times 7$

....
(1)

(e)   Work out $20 - (4 + 10)$

....
(1)

(6 marks)

12. (a)   Write down the value of $\sqrt{81}$

....
(1)

(b)   Work out the value of $5^2 + 2^3$

....
(2)

(3 marks)

13. (a)   Work out the value of $(9 + 2) \times 6 - 3$

…………………
(1)

(b)   Add brackets ( ) to make each statement correct.
You may use more than one pair of brackets in each statement.

(i) $9 + 2 \times 6 - 3 = 18$

(ii) $9 + 2 \times 6 - 3 = 15$

(2)
(3 marks)