Order of operations

1.   Calculate

      a) $7 + 8 \times 6 = 55$

      b) $17 - 4^2 = 1$

      c) $41 - 35 \div 5 = 34$

                         (3 marks)

2.   Work out

      a) $19 + (6 \times 4) = 43$

      b) $12 + 24 \div 8 - 2 = 13$

      c) $6 \times 10 \div 2 + 5 = 35$

                         (3 marks)

3.   Calculate

      a) $5 \times 4^2 + 7 = 87$

      b) $6^2 \div 4 - 6 = 3$

      c) $7 \times 2^3 + 5 \times 4 = 76$

                         (4 marks)

Order of operations
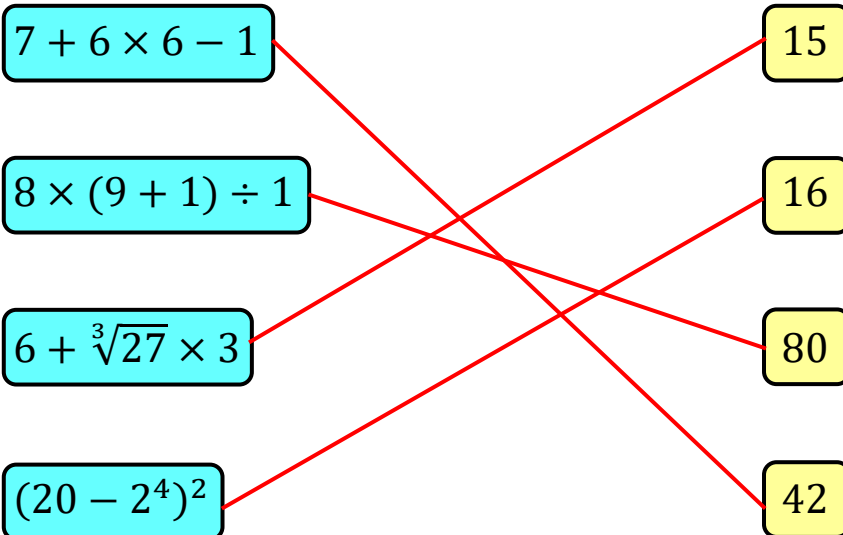
4.   Add brackets to make these statements correct

a) $6 \times (3 + 5) = 48$

b) $14 \div (1 + 6) = 2$

c) $(5 + 1)^2 + 4 = 40$

(3 marks)

5.   Match the calculation with the correct answer

$7 + 6 \times 6 - 1$		15
$8 \times (9 + 1) \div 1$		16
$6 + \sqrt[3]{27} \times 3$		80
$(20 - 2^4)^2$		42

(4 marks)

6. Add brackets to make the following calculations correct

a) $5 \times (4 + 2)^2 = 180$

b) $(18 - 6) \div (5 + 1) = 2$

(3 marks)

Order of operations

7.   Jack and Henrietta get given this question for their homework.

$$7 + 3 \times 5 - 2$$

Jack gets the answer of 20.
Henrietta gets the answer of 48.
Who is correct?
Show all of your workings.

Jack is correct, because of BIDMAS.
$$3 \times 5 = 15$$
$$7 + 15 - 2 = 20$$

(2 marks)

8.   Complete the puzzle

	+		-		= 11
+	▓	-	▓	x	
	+		÷		= 13
x	▓	÷	▓	+	
	+		x		= 31
= 9		= 5		= 8	

(6 marks)

Order of operations