LO: To know the order of operations – BIDMAS (bronze)

Practise Complete these calculations:

1) 10 + 2 x 9
2) 5 + (10 – 3) x 5
3) (32 – 12) ÷ 2 + 8
4) 27 ÷ (3 + 6)
5) (170 – 50) ÷ 10
6) 16 + (4 + 7) x 3
7) (72 – 8) ÷ 8
8) 54 ÷ 6 + 3 x 12

Fluency Add brackets to make these calculations correct:

9) 5 x 12 – 8 = 20

10) 10 ÷ 2 + 3 = 2

11) Sarah has 7 bags with 5 sweets in each. She added one more to each bag. Select the calculation below that shows the correct working out.
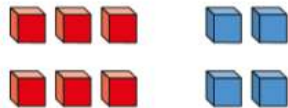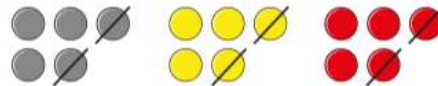
7 (5 + 1) = 42   7 x 5 + 1 = 36   7 x 5 + 1 = 42
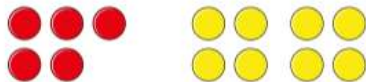
12)

Complete the calculations.

a) (3 + ☐) × 2

c) (☐ – ☐) × 3

b) ☐ + 2 × ☐

d) 15 – (☐ × ☐)
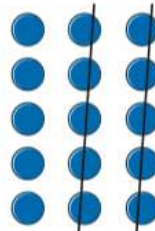
LO: To know the order of operations – BIDMAS (silver)

Practise Complete these calculations:

1) 16 + (4 + 7) x 3
2) (72 – 8) ÷ 8
3) 54 ÷ 6 + 3 x 12
4) 12 ÷ 2 + 4 x 3
5) 33 ÷ (4 + 7)
6) 3 x (2 + 6) ÷ 2

Fluency Add brackets to make these calculations correct:

7) 20 – 8 ÷ 2 = 6
8) 25 + 10 – 3 x 20 – 15 = 20

9) Sarah has 7 bags with 5 sweets in each. She added one more to each bag. Select the calculation below that shows the correct working out.

7 (5 + 1) = 42   7 x 5 + 1 = 36   7 x 5 + 1 = 42

Reasoning

10) Choose operations to go in the missing sections to make the number sentences true. 5 __ 3 __ 8 = 23 5 __ 3 __ 8 = 29

11) David completed the following calculation and got the answer 168. 2 (30 ÷ 5) + 14 = 168 Can you explain what he did and where he made the mistake?

12)

Insert operations and brackets to make as many different numbers as you can.

One has been done for you.

(4 + 4) x 4 = 32   3   3   3   3 = ☐

4   4   4 = ☐   3   3   3   3 = ☐

4   4   4 = ☐   3   3   3   3 = ☐

4   4   4 = ☐   3   3   3   3 = ☐

4   4   4 = ☐   3   3   3   3 = ☐

<u>**LO: To know the order of operations – BIDMAS (gold)**</u>

Practise Complete these calculations:
1) 54 ÷ 6 + 3 × 12
2) 12 ÷ 2 + 4 × 3
3) 33 ÷ (4 + 7)
4) 3 × (2 + 6) ÷ 2

Fluency Add brackets to make these calculations correct:
5) 25 + 10 – 3 × 20 – 15 = 20

Reasoning
6) David completed the following calculation and got the answer 168. 2 (30 ÷ 5) + 14 = 168 Can you explain what he did and where he made the mistake?

Problem Solving
7) Write different number sentences using the digits 3, 4, 5 and 8 before the equals sign that use: one operation, two operations, no brackets, two operations, brackets

8)
Write a story problem for each calculation.

(1,000 − 250) ÷ 5

_____

_____

_____

1,000 − 250 ÷ 5

_____

_____

_____

9)
Use the numbers 1-9 to complete the calculations puzzle.

1, 2, 3, 4, 5, 6, 7, 8, 9

	+		×		=	31
×		÷		×		
	× (		–		) =	6
÷		×		–		
	× (		+		) =	117
=		=		=		
2		16		2		

Practise Complete these calculations:
1) 28
2) 40
3) 18
4) 3
5) 12
6) 49
7) 8
8) 45

Fluency Add brackets to make these calculations correct:
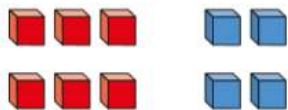
9) 5 x (12 – 8) = 20

10) 10 ÷ (2 + 3) = 2

11) Sarah has 7 bags with 5 sweets in each. She added one more to each bag. Select the calculation below that shows the correct working out. 7 (5 + 1) = 42
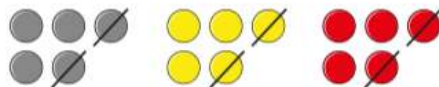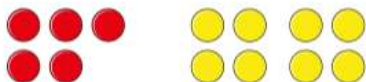
12)

Complete the calculations.
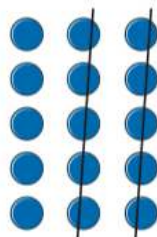
a) $(3 + \boxed{2}) \times 2$

b) $\boxed{5} + 2 \times \boxed{4}$

c) $(\boxed{5} - \boxed{2}) \times 3$

d) $15 - (\boxed{5} \times \boxed{2})$

Practise Complete these calculations:

1) 49

2) 8

3) 45

4) 18

5) 3

6) 12

Fluency Add brackets to make these calculations correct:

7) (20 – 8) ÷ 2 = 6

8) 25 + 10 – 3 x (20 – 15) = 20

9) Sarah has 7 bags with 5 sweets in each. She added one more to each bag. Select the calculation below that shows the correct working out. 7 (5 + 1) = 42

Reasoning

10) Choose operations to go in the missing sections to make the number sentences true. 5 _x_ 3 _+_ 8 = 23   5 _+_ 3 _x_ 8 = 29

11) He has made a mistake in the order he has completed the calculations

12) Answers may vary

 e.g.   4 + 4 x 4 = 20   4 ÷ 4 x 4 = 4   4 x 4 – 4 =12

        3 x 3 – 3 ÷ 3 = 8

LO: To know the order of operations – BIDMAS (gold) - answers

Practise Complete these calculations:
1) 45
2) 18
3) 3
4) 12

Fluency Add brackets to make these calculations correct:
5) 25 + 10 – 3 x (20 – 15) = 20

Reasoning
6) He has made a mistake in the order he has completed the calculations

Problem Solving
7) Answers will vary

8) Answers will vary

9)

Use the numbers 1-9 to complete the calculations puzzle.

1, 2, 3, 4, 5, 6, 7, 8, 9

3	+	4	x	7	=	31
x		÷		x		
6	x (	2	-	1	) =	6
÷		x		-		
9	x (	8	+	5	) =	117
=		=		=		
2		16		2		