Let’s look at a step-by-step solution to these problems.

**3 + 6 x 2 ÷ 3**

= 3 + 6 x 2 ÷ 3 (Multiplication)

= 3 + 12 ÷ 3 (Division)

= 3 + 4 (Addition)

**Order of Operations**

**P ( )**

**E 42 exponents**

**M X**

**D ÷**

**A +**

**S -**

= 7

**9 × 5 + 23 – 9**

= 9 × 5 + 23 – 9 (Exponents)

**These are ranked equally. Work from left to right**

= 9 x 5 + 8 – 9 (Multiplication)

= 45 + 8 – 9 (Addition)

= 53 – 9 (Subtraction)

**These are ranked equally. Work from left to right**

= 44

**7 + (3 × 6) ÷ 9**

=7 + (3 × 6) ÷ 9 (Parentheses)

= 7 + 18 ÷ 9 (Division)

= 7 + 2 (Addition)

= 9