



ORDER OF OPERATIONS CHALLENGES 6.2

For each question, use brackets and any of the 4 operations to make 30.

1)	$5 \quad 4 \quad 6 \quad 1 = 30$
2)	$10 \quad 5 \quad 2 \quad 7 = 30$
3)	$2 \quad 7 \quad 3 \quad 12 = 30$
4)	$3 \quad 7 \quad 4 \quad 5 = 30$
5)	$12 \quad 1 \quad 9 \quad 4 = 30$

For each question, use the digits in the correct places to make the equation correct.

6)	Use numbers 4, 12, 3 and 5.	$_ + _ \times _ - _ = 11$
7)	Use numbers $\frac{1}{2}$, 4, 7 and 9.	$_ \times (_ + _) \div _ = 2$
8)	Use numbers 24, 8, 6 and 3.	$(_ + _) \times _ \div _ = 3$
9)	Use numbers 9, 5, 4 and 3.	$_ - _ \times (_ - _) = -8$
10)	Use numbers 0.1, 0.6, 3 and 4.	$_ \times (_ + _ \times _) = 3$

For each question, use the numbers in any order along with brackets and any operations to make 24.

11)	Use numbers 2, 6, 3, and 7	$= 24$
12)	Use the numbers 5, 8, 3 and 4	$= 24$



ORDER OF OPERATIONS CHALLENGES 6.2 ANSWERS

1)	$5 + 4 \times 6 + 1 = 30$
2)	$10 \times (5 \times 2 - 7) = 30$
3)	$2 \times 7 \times 3 - 12 = 30$
4)	$(3 + 7 - 4) \times 5 = 30$
5)	$12 \times (1 + 9) \div 4 = 30$

6)	Use numbers 4, 12, 3 and 5.	$3 + 5 \times 4 - 12 = 11$
7)	Use numbers $\frac{1}{2}$, 4, 7 and 9.	$\frac{1}{2} \times (9 + 7) \div 4 = 2$
8)	Use numbers 24, 8, 6 and 3.	$(6 + 3) \times 8 \div 24 = 3$
9)	Use numbers 9, 5, 4 and 3.	$4 - 3 \times (9 - 5) = -8$
10)	Use numbers 0.1, 0.6, 3 and 4.	$3 \times (0.6 + 4 \times 0.1) = 3$

For these two challenges, we have provided 2 answers for each; there may be many more possible solutions.

11)	Use numbers 2, 3, 6, and 7	$7 \times 6 \div 2 + 3 = 24$	$3 + 6 \times 7 \div 2 = 24$
12)	Use the numbers 3, 4, 5, and 8.	$8 \times 4 - 5 - 3 = 24$	$8 \times 3 \div (5 - 4) = 24$