

Order of Operations Answer Key

1. What is the acronym for the order of operations?
 - a. DASEFX
 - b. PEMDAS**
 - c. PDIDDY
 - d. SINCOS
2. If you weren't allowed to use your calculator, which part of the following expression would you calculate first? $(8+5 \cdot 2) \times 8$
 - a. $8+5$
 - b. $5 \cdot 2$**
 - c. $2 \cdot 8$
3. If you weren't allowed to use your calculator, which part of the following expression would you calculate first? $(4+6) + 9 \cdot 5$
 - a. $(4+6)$**
 - b. $6+9$
 - c. $9 \cdot 5$
4. Simplify:
 $4^2 - (-4) - (3^3 - 20)$
 - a. 23
 - b. 31
 - c. -13
 - d. none of these**
5. Simplify.
 $3^3 - 2(6-11) + -12$
 - a. 26
 - b. 25**
 - c. 35
 - d. 5

6. Simplify:

$$9/7 - 3/7 \times 5/2$$

a. **3/14**

b. 6/9

c. 3/5

d. 4/4

7. Use the correct order of operations to evaluate the following expression for $a=2$.

$$a + (6 \times 8) - (1 \times a)$$

a. -60

b. 46

c. **48**

d. 62

8. Simplify: $2 + 4 \cdot 6 \div 3 - 5$

5

9. Simplify: $5 + 15 \div (3 + 2)$

8

10. Solve using correct order of operations:

$$12 \cdot 1 + 2 - 2 + 40 \div 2^2 + 8$$

30