



# MAth on the Fly!



NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

## Order of Operations

Simplify each expression.

1.

$$2(8 - 6)^3$$

2.

$$13 - 6 + 1$$

3.

$$36 \div 6^2 - 5(1)^2$$

4.

$$2(8 - 6) \cdot 4$$

5.

$$24 \div 2 \times 4$$

6.

$$24 \div (2 \times 4)$$

7.

$$(8)(5) - 3(6) \div 2$$

8.

$$3 \cdot 4 \div 2 \times 8 \div 4$$

9.

$$3[9(10 - 3) + 1]$$

10.

$$[18 \div (1 + 5)] - 2$$

11.

$$(20 + 8) - (9 - 5)^2 + (7 \cdot 2)$$

12.

$$(3 - 1)^4 + [3 \times (7 - 6)^{12}]$$

13.

$$\frac{8 - 2^2}{(8 - 2)^2}$$

14.

$$\frac{4(2^4) - 3(2^4)}{7(3 + 2)}$$

15.

$$\frac{3[14 \div (5 + 2)]}{8(6 - 1) - (7 + 9)}$$

16.

$$\frac{20 - 2(8 - 5)}{[2^7 - (2 + 3)^3]^3}$$

17.

$$\frac{14 \div 2 + (5 - 4)^{18} \times 3}{5 + 5[(8 - 6) \div (9 - 7)]}$$

18.

$$\frac{7 + 3 \cdot 5 - 8 \div 4}{10 \div 2 + 3 \cdot 9 - 7(2)}$$

## SOLUTIONS

1. 16

2. 8

3. -4

4. 16

5. 48

6. 3

7. 31

8. 12

9. 192

10. 1

11. 26

12. 19

13.  $\frac{4}{36} \xrightarrow{\text{reduce}} \frac{1}{9}$

14.  $\frac{16}{35}$

15.  $\frac{6}{24} \xrightarrow{\text{reduce}} \frac{1}{4}$

16.  $\frac{14}{27}$

17.  $\frac{10}{10} \xrightarrow{\text{reduce}} 1$

18.  $\frac{20}{18} \xrightarrow{\text{reduce}} \frac{10}{9}$