

# INTEGER BEDMAS

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

Div: \_\_\_\_\_

Date: \_\_\_\_\_

Do Q# 1-7 (ODD), 25-43 (ODD)

## Practice

*Simplify.*

1.  $(+8) + (-2)(-3)$     2.  $(-6)(-4) + 11$   
 3.  $24 \div (-6) - (-2)$     4.  $(-8)(0) \times (-2)$   
 5.  $(-3)(-4) \times (-6)$     6.  $(+16) \times (-4)(-5)$   
 7.  $(-18) \div (-9) + (-8) \times 2$

*Simplify.*

8.  $15 \div (-3) + 8$     9.  $3 \times 4 - 2$   
 10.  $10 - (-5) + 7$     11.  $-6 + (-7) - 3$   
 12.  $-3(-6) + (-5)$     13.  $-6 \times 7 - 15$   
 14.  $9 + 4 - 2 - 1$     15.  $11 + (-8) \div (-4)$

*Simplify.*

16.  $15 \times 6 \div 3$     17.  $-7(-6) \div (-3)$   
 18.  $-2(-9) \div 6$     19.  $5(-2)(-3) + 7$   
 20.  $10 - (-4)(+2)$     21.  $-3(+6) + 3(-4)$   
 22.  $-20 \div 4 \times 3 + 2$     23.  $9 \times (-8) \div (-2)$

*Simplify.*

24.  $5(8 - 7) + 6$     25.  $-6 + 4(3 - 9)$   
 26.  $-2(9 - 4) - 3$     27.  $-(6 - 3) - (2 - 6)$   
 28.  $4(2 - 5) + 5(2 + 1)$

*Simplify.*

29.  $-2 + (-3)^2$     30.  $(-4)^2 + 5$   
 31.  $-4^2 + 5$     32.  $(-2)^3 - (-3)$   
 33.  $-4 + (-2)^2 + 5$     34.  $(5 - 2)^2 + 6$   
 35.  $-3(-7) - (-1)^3$   
 36.  $2(3 - 7)^2 - (-2)(-3)$

*Simplify.*

37.  $\frac{(-3) \times 8}{4}$     38.  $\frac{5 \times (-8)}{-10}$   
 39.  $\frac{-8 \div 4}{-2 \div (-1)}$     40.  $\frac{4 - 12}{3 - (-5)}$   
 41.  $\frac{-21 \div (-3)}{-7 \times (-1)}$     42.  $\frac{-6 \times 8}{-7 + (-5)}$

## Problems and Applications

43. Add brackets to make each statement true.

- a)  $-3 + 4^2 \times 5 = 5$   
 b)  $-1 - 3 - 8 \div 4 = -3$   
 c)  $3^2 + 4 \times 2 - 5 = -3$   
 d)  $6^2 - 20 \div 2 + 6 = 2$

44. For your next birthday, a relative offers you a choice of 2 amounts of money, both in dollars. The amounts are given by

$$(2x - 20)^2 \text{ and } \frac{1}{2}(x - 9)^3$$

where  $x$  is your age on your next birthday. Which amount will you choose and why?

45. There are 2 meanings of "5 less than -3 squared."

- a) Use symbols to show the meanings.  
 b) What value results from each meaning?  
 c) Rewrite the phrase in words to make the 2 meanings clear. Compare your wording with a classmate's.

## CALCULATOR POWER

We can evaluate  $-15(18 - 35)^2 - 97$  as follows.

$$15 \left[ +/\- \right] \left[ \times \right] \left[ ( \right] 18 \left[ - \right] 35 \left[ ) \right] \left[ \times^2 \right] \left[ - \right] 97$$

$$\left[ = \right] \left[ \boxed{-4432} \right]$$

In questions 1-5, estimate, then calculate.

1.  $34 \times (-12) \div 51$   
 2.  $(-504) \div (-56) + 77$   
 3.  $75 - 85 \times (-9) + 57$   
 4.  $(56 - 79)^2 - 64$   
 5.  $-78 + (23 + 16) \times (32 - 49)$

6. Questions 1-5 all include brackets. Do you have to use the  $( )$  and  $[ ]$  keys in each calculation? Explain.