NAME _____ DATE _____ PERIOD ____

1-1 Skills Practice

Variables and Expressions

LOOK • 1→8 ON this sheet • 1→18 ON looseleaf

Write an algebraic expression for each verbal expression.

1. the sum of a number and 10
2. 15 less than k
3. the product of 18 and q
4. 6 more than twice m
5. 8 increased by three times a number
6. the difference of 17 and 5 times a number
7. the product of 2 and the second power of y
8. 9 less than g to the fourth power

PE(MD)(AS) OR PE(DM)(SA)

LOOSELEAF ⇒ ① original problem
↓ ↓
work... BOX ANSWER

Exercises

Evaluate each expression.

1. $(8 - 4) \cdot 2$
2. $(12 + 4) \cdot 6$
3. $10 + 2 \cdot 3$
4. $10 + 8 \cdot 1$
5. $15 - 12 \div 4$
6. $\frac{15 + 60}{30 - 5}$
7. $12(20 - 17) - 3 \cdot 6$
8. $24 \div 3 \cdot 2 - 3^2$
9. $8^2 \div (2 \cdot 8) + 2$
10. $3^2 \div 3 + 2^2 \cdot 7 - 20 \div 5$
11. $\frac{4 + 3^2}{12 + 1}$
12. $\frac{8(2) - 4}{8 \div 4}$
13. $250 \div [5(3 \cdot 7 + 4)]$
14. $\frac{2 \cdot 4^2 - 8 \div 2}{(5 + 2) \cdot 2}$
15. $\frac{4 \cdot 3^2 - 3 \cdot 2}{3 \cdot 5}$
16. $\frac{4(5^2) - 4 \cdot 3}{4(4 \cdot 5 + 2)}$
17. $\frac{5^2 - 3}{20(3) + 2(3)}$
18. $\frac{8^2 - 2^2}{(2 \cdot 8) + 4}$

BONUS: CONVERT $\frac{1}{19}$ TO A DECIMAL BY LONG DIVISION.