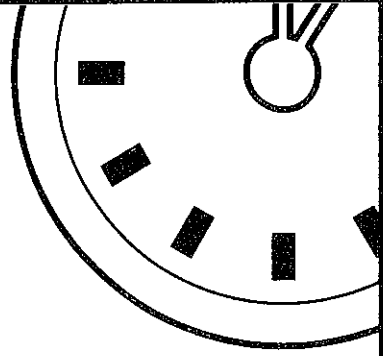# MINUTE 1

1. $2^3 =$

2. $27 \div 9 + 3 =$

3. If $m + 40 = 75$, then $m =$ _____ .

4. Number of letters in the alphabet minus the number of months in a year? _____

5. $(4 + 2)^2 =$

6. Write $3 \cdot 3 \cdot 3 \cdot 3$ in exponential form. _____

7. $8 \cdot 9 =$

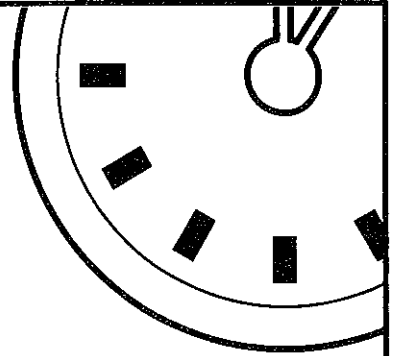8. $\dfrac{48}{6} =$

9. $1^{10} =$

10. $5 + (4)(3) =$

BONUS! Farmer Doug has some pigs and chickens.
One day he counted 24 legs and 7 heads in the barnyard.
How many of each animal did Farmer Doug count? _____

MINUTE 2

1. $(2)(3)(4) =$

2. Write $4 \cdot 4 \cdot 4 \cdot 4 \cdot 4$ in exponential form. _____

3. $\dfrac{4+6}{5} =$

4. Bobby thinks that $5^2 = 10$.
What is wrong with this answer? _____

5. $4 + 6 \cdot 2 = 4 + 12$ Circle: True   or   False

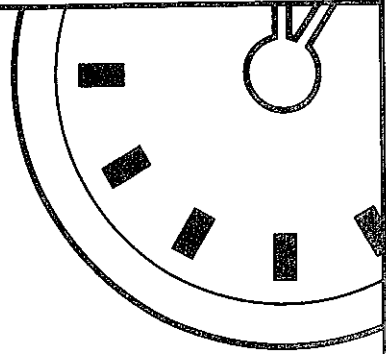**6.** If $a = 5$ and $b = 6$, then what does ab equal? _____

7. Miss White wants to buy 5 value meals at Mel's Diner.
What is a reasonable total for her purchase?
    a. $25   **b.** $1,000   **c.** $100   **d.** $10

8. 12 snakes have how many eyes altogether? _____

9. $5 + (9)(6) =$

10. Which of these operations should be completed first
when solving an equation?
    a. $\times$ **b.** $+$ **c.** $(\ )$ **d.** $\div$

MINUTE 3

1. $2(5 + 8) =$

2. Rewrite $4 \cdot 4 \cdot 6 \cdot 4 \cdot 4 \cdot 6$ using exponents. _____

3. $\dfrac{3(4 + 2)}{9} =$

4. Brad thinks that $2 \cdot 2 \cdot 2 \cdot 2$ is represented by 4^2.
What is wrong with this answer? _____

5. $3.2 \times 10^3 =$

6. If $a = 2$ and $b = 3$, then what does ab^2 equal? _____

7. $0.043 \times 10^3 =$

8. A mouse has 14 whiskers.
How many whiskers do 3 mice have? _____

9. $5 + (9)(6) - 4 =$

10. Which of these operations should be completed
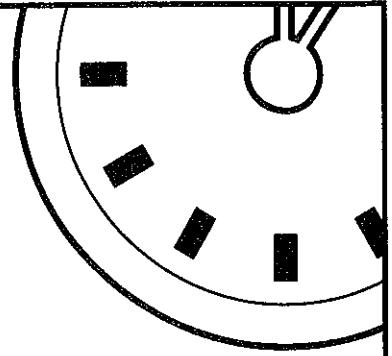<u>last</u> when solving an equation?
    a. $\times$ **b.** $+$ **c.** $(\ )$ **d.** $\div$

MINUTE 4

1. $3.57 \times 10^3 =$

2. $2^2 \cdot 2^3 =$

3. Which of these represents a whole number?
Circle all that apply.

    a. 4   **b.** 3.2   **c.** $\dfrac{4}{7}$ **d.** $\dfrac{8}{4}$

4. Which of these represents an integer?
Circle all that apply.

    a. -3 **b.** 4   **c.** $2\dfrac{1}{2}$ **d.** 6.2

5. Which expression is correctly written in scientific notation?

    a. 398×10^1 **b.** 39.8×10^2

    c. 3.98×10^4 **d.** $.398 \times 10^3$

6. $\dfrac{8 + 4 \cdot 3}{5} =$

7. $2^{-2} =$

8. $\dfrac{3^3}{3^2} =$

9. $\sqrt{25} =$

10. $3(4^2 + 1) =$