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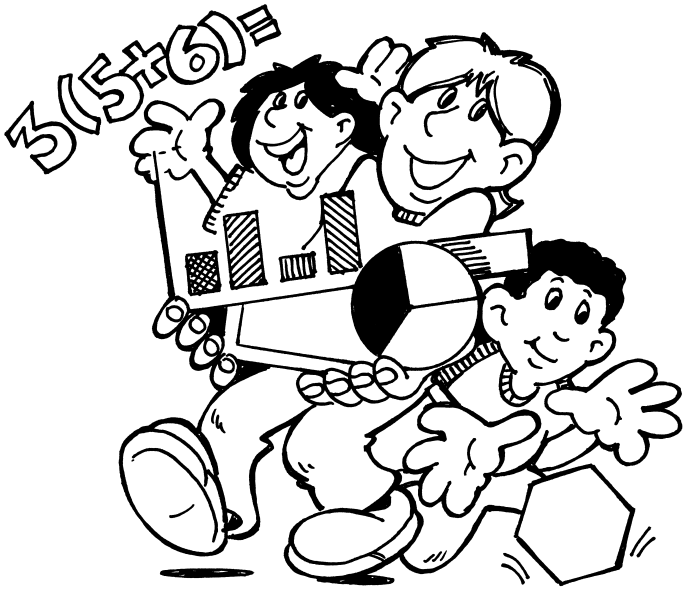


NAME:

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. $\frac{48}{6} =$

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? _____

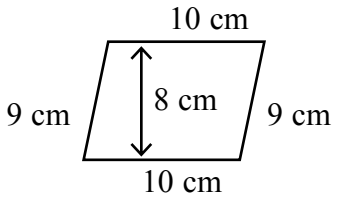
NAME:

MINUTE 50

1. Round $12.\overline{5}$ to the nearest tenth. _____

2. Simplify: $\frac{11^7}{11^4} =$

Use the figure to complete Problems 3–4.



3. Find the area of the parallelogram. _____

4. Find the perimeter of the parallelogram. _____

Match each word with its definition to complete Problems 5–10.

5. Integer

6. Rational number

7. Irrational number

8. Mean

9. Median

10. Mode

a. average of a set of numbers

b. number that occurs more than any other number in a set of numbers

c. positive or negative whole number, or zero

d. number in the middle of a set of numbers that are in numerical order

e. number that can be written as a fraction like $\frac{a}{b}$

f. number that cannot be written as a fraction

NAME:

MINUTE 100

1. If $f(x) = x^2 + 1$, then $f(2) =$ _____.

2. How many solutions does the problem $3 = |x - 3|$ have? _____

3. If two lines have the same slope, they are _____.

a. parallel **b.** perpendicular **c.** intersecting

4. If $x^2 = 400$, then $x =$ _____.

5. $\sqrt{7} \bullet \sqrt{7} =$

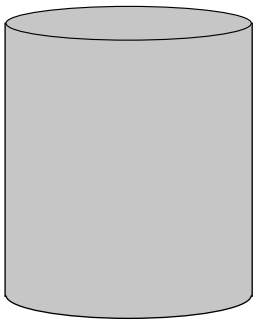
6. Write an equation to show *three times a number is 11*. _____

7. $a^3 \bullet a^4 =$

8. $(a^3)^2 =$

9. $\dfrac{a^5}{a^3}$

10. The area of the base of the cylinder is 40 cm^2.
The height is 10 cm. What is the volume? _____



BONUS! Find one solution of three numbers that add up to 41. *Circle the numbers.*

2 3 21 17 11 8 12 13