



Algebra Alley

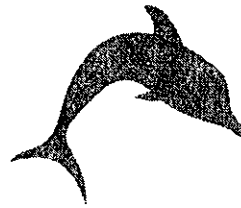
An estate valued at \$62,000 is left by a will as follows: to each of two grandchildren a certain sum, to the son twice as much as to the two grandchildren together, and to the widow \$2,000 more than to the son and grandchildren together. How much goes to each?

(1.02)



All About Data

Ten dolphins at the aquarium are fed fresh fish each day. The two smallest dolphins eat three fish apiece, the four middle-size dolphins each eat five fish and the largest dolphins eat seven fish each. What is the average number of fish eaten by the dolphins each day?



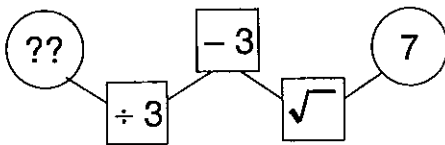
(Review)



What's The Problem?

Working Backwards

Find the starting number on this flow chart



(1.02)



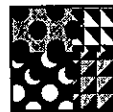
Mathematically Speaking

For what values of a and b will these two expressions be equal?

$$(a + b)^2 \text{ and } a^2 + b^2$$

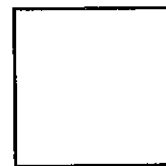
Explain.

(Review)



Geometry Wrap Up

A square is folded in half to form a rectangle. If the resulting rectangle has a perimeter of 15 inches, what is the area of the original square?



(Review)



Keeping Skills Sharp

Write answers here:

1. $5 + 3 \cdot 2 + 12$ 1. _____
2. $2^2 + 4 - 2^3 \div 4$ 2. _____
3. Order these numbers from least to greatest: $-\frac{1}{2}, 0, -3, 1, -1$ 3. _____
4. $8 = \square^3$ 4. _____
5. Compare: $\frac{1}{3} \stackrel{?}{>} \frac{1}{4}$ 5. _____
6. Compare: $\frac{15}{28} \stackrel{?}{>} \frac{19}{42}$ 6. _____
7. List all the factors of 36. 7. _____
8. What is the prime factorization of 51? 8. _____
9. $3^0 = \underline{\hspace{1cm}}$ 9. _____
10. Half of a dozen 10. _____



Mental Math

Directions to Students:
Write your answers as the questions are called out. Each question will be repeated only once.

- | | |
|---|----|
| 1 | 6 |
| 2 | 7 |
| 3 | 8 |
| 4 | 9 |
| 5 | 10 |