Why Is a Hill Like a Lazy Young Dog?

Solve each problem, assuming that all interest rates indicate annual simple interest. Cross out the box that contains your solution. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page.

$$0.05x + 0.09(3x) = 32$$

(2)
$$0.08\mathbf{n} + 0.12(\mathbf{n} + 500) = 180$$

(3)
$$0.15d + 0.07(1000 - d) = 130$$

(4)
$$0.125y + 0.1(800 - y) = 85$$

(8) Patty Wack had \$900. She invested part of it at 12% and the rest at 9%. If her total annual return was \$96, how much did she invest at each rate?

at 9%

at 12%;

- Dr. Beaker invested \$3000, part at 8% and the rest at $7\frac{1}{2}$ %. The total return for one year was \$231. How much was invested at each rate?
- A scholarship fund raised \$7000 in contributions. Part was invested in bonds paying 6% interest, and the rest was invested in bank certificates paying $8\frac{1}{2}$ %. If the total annual income is \$520, find the amount invested at each rate.

| 4.4.4.4. | ************ | 4 | | | | *·*·*·*·*·*·*·*· | * • • • • • |
|---------------|---|---------------|--------------|---------------|--------------|------------------|--------------------|
| 009 | \$1200;\$1800 \$700; \$200 \$2000;\$3500 \$2500;\$4000 | \$2000;\$3500 | \$700; \$200 | \$1200;\$1800 | 200 | \$2500;\$4500 | \$300; \$600 |
| AT | AD. | TS | PE | VE | Ш | 07 | Щ |
| \$3000;\$4000 | \$1400; \$1600 \$3000; \$4000 | 100 | 450 | \$350; \$550 | \$200; \$400 | \$500; \$400 | 750 |
| 느 | AS | Z | SI | 90 | Ħ | AD | AB |

at 8%

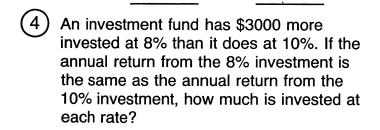
\$480, how much was invested at each rate?

What Did Finnegan Dislike About the Candle-Making Business?

Solve each problem below. Assume that all interest rates indicate annual simple interest. Find your solution in the answer column and notice the three letters next to it. Write these letters in the three boxes that contain the number of that exercise.

| 1 | Solve: $0.05(x + 900) = 0.08x$ |
|---|--|
| 2 | Solve: $0.065(x - 2000) = 0.04x + 70$ |
| 3 | Sam Quirk invested \$7000, part at 7% and the rest at 11%. If his total return for one |

| the rest at 11%. If his total re year was \$690, how much w each rate? | eturn for one |
|--|---------------|
| at 7%; | at 11% |



| (5) | Ms. Smyle has \$200 less invested at 9% |
|-----|--|
| | than she does at $6\frac{1}{2}$ %. If the annual return |
| | from the two investments is the same, how much is invested at each rate? |

| at $6\frac{1}{2}\%$; at | 9% |
|--------------------------|----|
|--------------------------|----|

____ at 10%; ___ at 8%

