Why Did the Termite Like Expensive Hotels?

Solve each problem below. Find your answer in the answer column and notice the two letters next to it. Write these letters in the two boxes that contain the number of that exercise.

① The price of an Instazoom camera increased from $75 to $90. Find the percent of increase in price.

② The number of students attending Sky High School increased from 1500 to 1700. What was the percent of increase?

③ Because of improved technology, the time needed to manufacture an XYZ machine has fallen from 20 hours to 9 hours. Find the percent of decrease.

④ After two weeks on the Try-No-Meal Diet, Thelda's weight dropped from 60 kg to 56 kg. Find the percent of decrease.

⑤ During one year, the value of a diamond increased 25%. If the diamond was originally worth $3000, what was it worth one year later?

⑥ During June a car dealer sold 250 new cars. During July he sold 14% fewer cars. How many cars did he sell in July?

⑦ At the close of one business day, TNT stock was trading at $40 per share. At the close of the next business day, the stock was trading at $43 per share. Find the percent of increase.

⑧ A $150 bicycle is on sale at a 20% discount. If there is a 5% sales tax, how much does the bicycle cost in all?

RS	12.5%
ET	215
OO	$13\frac{1}{3}\%$
LE	$3675
SU	$126
DA	20%
IT	64%
HA	$3750
ER	224
HE	55%
TH	7.5%
MS	$8\frac{1}{3}\%$
IT	$6\frac{2}{3}\%$
PO	$132

3	3	5	5	1	1	8	8	4	4	6	6	2	2	7	7

OBJECTIVE 3–I: To solve word problems involving the percent of increase or decrease in a quantity.