

Unit 1 worksheet 1 MTH 134

I. Express the verbal in number form:

1. Eighteen thousand, one hundred sixty-five

2. Thirty-eight thousand, five hundred three

II. Round to the nearest position as indicated:

1.) 52 (nearest ten)

2.) 491 (nearest hundred)

3.) 9,333 (nearest thousand)

4.) 84 (nearest ten)

5.) 671 (nearest hundred)

6.) 6,752 (nearest thousand)

III. Estimate by rounding all the way (do not round final answer).

1.) $4918 + 6500$

2.) $9,100 + 8,555$

3.) $3,342 + 9,581$

4.) $2,944 + 7,653$

IV. Fill in the missing number.

1.) $2,950$
- _____

2.) $1,950$
- 890

V. Multiply by the shortcut method:

1.) $115 \overline{) 1000}$

2.) $1,815 \overline{) 10,000}$

VI. Divide by the shortcut method:

1.) $160,000 \overline{) 1,000}$

2.) $190,000 \overline{) 10,000}$

VII.. Divide by long division

1.) $191 \overline{) 6514}$

2.) $132 \overline{) 6,438}$

VIII. Applications

1.) Regan College has 30 teachers in the Business department on January 1, 1992. During the year, 18 more teachers were hired. Five of the old teachers have retired. What is the total number of teachers currently employed in the Business Department at Regan College?

2.) Al Flow rents a luxurious condominium for \$14,004 for 6 months. What is the rental charge per month that Al pays?

3.) Abe Real Estate is developing 15 solar homes per state in 25 states. If the cost of each home is estimated at \$80,000, what is the projected cost for the entire development?

4.) Al Flynn wants to buy a van that costs \$16,000 with an interest charge of \$2,000. Al figures he can afford a monthly payment of \$700 per month. If there are 24 equal payments required could Al afford the van?