

Chapter 1-8 Cumulative Review Exercises

1. 6 ten thousands + 4 thousands + 5 hundreds + 2 ones

$$\begin{array}{r}
 20 \\
 37 \overline{)743} = 20 \text{ R}3 \\
 \underline{74} \\
 03 \\
 \underline{0} \\
 3
 \end{array}$$

3. ENLISTMENT

	Goal	Enlistments	Outcome
Active	77,000	77,587	587
Reserve	21,000	21,278	278
National Guard	56,000	49,210	-6,790

4a. $0 + (-8) = -8$

4b. $\frac{-8}{0} = \text{undefined}$

$$\begin{aligned}
 4c. \quad 0 - |-8| &= 0 - 8 \\
 &= 0 + (-8) \\
 &= -8
 \end{aligned}$$

4d. $\frac{0}{-8} = 0$

$$\begin{aligned}
 4e. \quad 0 - (-8) &= 0 + 8 \\
 &= 8
 \end{aligned}$$

4f. $0(-8) = 0$

5. GOLF

margin of victory = $3 - (-12)$

margin of victory = $3 + 12$

margin of victory = 15

The margin was 15 shots.

$$\begin{aligned}
 6. \quad -3^2 &= -3 \bullet 3 \\
 &= -9
 \end{aligned}$$

$$\begin{aligned}
 (-3)^2 &= (-3) \bullet (-3) \\
 &= 9
 \end{aligned}$$

