

5) $M+N$: 4 flats, ^{+1 long} 9 longs, ^{-6 units} 8 units
 \Rightarrow 4 flats, ^{+1 flat} 10 longs, ^{-6 longs} 2 units
 \Rightarrow 5 flats, 4 longs, 2 units

$$\begin{array}{r} 11 \\ 345 \text{ six} \\ + 153 \text{ six} \\ \hline 542 \text{ six} \end{array}$$

6) M : 7 flats, ⁸ 9 longs, ¹⁸ 6 units
 N : 5 flats, 8 longs, 9 units

 $M-N$: 2 flats, 0 longs, 9 units

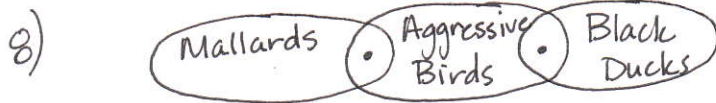
$$\begin{array}{r} 818 \\ 796 \text{ twelve} \\ - 589 \text{ twelve} \\ \hline 209 \text{ twelve} \end{array}$$

7) (A) $f(x) = \frac{1}{2}x + 5$ (B) $H(x) = 2x - 16$ (C) $g(x) = 4x$

(C) $f(6) = \frac{1}{2}(6) + 5 = 3 + 5 = 8$

$H(2) = 2(2) - 16 = 4 - 16 = -12$

$g(7) = 4(7) = 28$



There is not enough information to say that some black ducks are mallards. This may or may not be true but we cannot conclude this from the given premises. Thus, the conclusion is invalid.

9) Keisha went to the store and bought a large bag of bubble gum. The bag contained 42 pieces of gum. Keisha gave a piece of gum to each of her 17 classmates. How many pieces of gum does Keisha have left?

10) (A) $\begin{array}{r} 111 \\ 958 \text{ eleven} \\ + 174 \text{ eleven} \\ \hline 1132 \text{ eleven} \end{array}$

Answer: 1921 eleven

(B) $\begin{array}{r} 519 \\ 6432 \text{ seven} \\ - 546 \text{ seven} \\ \hline 5886 \text{ seven} \end{array}$

Answer: 5553 seven