

1a.)

8.039^③
 8.125^⑤
 8.204^⑥
 8.040^④

7.896^①
 7.962^②

*compare digits in ones, then compare in tenths, then hundredths

or

treat

.039 as "39"

.125 as "125"

to compare.

Mateo - 7.896 least

Omega - 7.962

Galaxy - 8.039

Scythe - 8.040

Diablo - 8.125

Eusion - 8.204 greatest

1b.)

Galaxy - 8.039

* Scythe - 8.040

*ones and tenths are the same, so look at hundredths to see that $4 > 3$, so Scythe is heavier

Scythe

1c.) round each Bey to nearest whole

G - 8

S - 8

O - 8

D - 8

M - 8

F - 8

$6 \times 8 = \boxed{48}$ estimate
 0Z

All weights are close to 8 and there are 6, so $6 \times 8 = 48$.

1d.) 8.039 g * group numbers to make addition easier if needed
 7.896 M
 $+ 8.125\text{ D}$

$$\begin{array}{r} 24.060 \\ \hline 8.204\text{ F} \\ 8.040\text{ S} \\ + 7.962\text{ O} \\ \hline 24.206 \end{array}$$

$$\begin{array}{r} 24.060 \\ + 24.206 \\ \hline 48.266 \end{array}$$

48.266 oz

1e.) Yes, my answer of 48.266 is reasonable because my estimate 48 is very close. It is less than 1 away.

1f.) average = total weight $\div$ number of Beys

$$48.266 \div 6 \rightarrow$$

average = 8.04 oz

$$\begin{array}{r} 8.04433 \\ 6 \overline{) 48.266000} \\ \underline{-48} \\ 026 \\ \underline{-24} \\ 26 \\ \underline{-24} \\ 20 \\ \underline{-18} \\ 20 \\ \underline{18} \end{array}$$

after 4-5 decimals, ROUND!

18 * STOP!

add what is known

$$\begin{array}{r} 16.100 \\ 124.062 \\ - 16.100 \\ \hline 79.62 \end{array}$$

subtract answer
from total given

7.962 matches with Omega-
Dragonis

2.) any mention of how many times
tells us to divide:

$5.35 \rightarrow \sqrt{144.45} \rightarrow$

$$\begin{array}{r}
 27. \\
 \hline
 535 \overline{) 144.45} \uparrow \\
 \underline{-1070} \downarrow \\
 3745 \\
 \underline{-3745} \\
 0
 \end{array}$$

* See decimal in division (5.35), move number of decimal spaces 2 both inside and out

- side work

$$\begin{array}{r} 535 \\ \times 2 \\ \hline 1070 \end{array}$$

Keep to side!

27 times

3.) Ipty's Bey - 8.306
Diablo N - 8.125] subtract lighter
Bey from heavier

$$\begin{array}{r} 8.2806 \\ - 8.125 \\ \hline 0.1556 \end{array}$$

Ipty's Bey is 0.18102 heavier.

4a.) * use tools like drawing pictures

$$\begin{array}{l} \textcircled{5} + \textcircled{5} + \textcircled{5} \quad (3 \text{ 5-lb bags}) + (2 \text{ 4-lb bags}) \\ + \textcircled{4} + \textcircled{4} = 23 \text{ pounds} \end{array}$$

OR

$$3 \times 5 = 15$$

$$2 \times 4 = 8$$

$$15 + 8 = \boxed{23 \text{ pounds}}$$

4b.)

$$\begin{array}{l} \textcircled{25.60} + \textcircled{25.60} + \textcircled{25.60} \\ + \textcircled{22.85} + \textcircled{22.85} = \textcircled{?} \end{array}$$

$$\boxed{\$122.50}$$

OR

$$\begin{array}{r} 25.60 \\ \times 3 \\ \hline \$76.80 \end{array}$$

$$\begin{array}{r} 22.85 \\ \times 2 \\ \hline \$45.70 \end{array}$$

$$\Rightarrow \begin{array}{r} 76.80 \\ + 45.70 \\ \hline 122.50 \end{array}$$

4c.) (answer from b) $\div$ (answer from a)

$$\underline{\$122.50 \div 23} = \text{average}$$

$$\begin{array}{r} 5.32 \\ 23 \overline{)122.50} \\ \underline{-115} \downarrow \\ 675 \downarrow \\ \underline{-69} \downarrow \\ 60 \\ \underline{46} \end{array}$$