

Unit Rate \rightarrow deno. is one

There are 72 players on 8 teams.

a) what is the unit rate?

$$\begin{array}{r} 72 \text{ players} \div 8 \\ \hline 8 \text{ teams} \div 8 \end{array} \rightarrow \begin{array}{r} 9 \text{ players} \\ \hline 1 \text{ team} \end{array}$$

b) how many players on 5 teams?

$$\begin{array}{r} 9 \text{ players} \times 5 \\ \hline 1 \text{ team} \times 5 \end{array} \rightarrow \begin{array}{r} 45 \text{ players} \\ \hline 5 \text{ teams} \end{array}$$

$$\begin{array}{r} 72 \text{ pl.} \\ \hline 8 \text{ t.} \end{array}$$

$$\begin{array}{r} ? \\ \hline 1 \text{ t} \end{array}$$

$$\begin{array}{r} \hline 5 \text{ t} \end{array}$$

Ratio : compares numbers to

each other same item
no units.

A classroom has 25 students.
5 have brown hair.

a) Ratio Notation brown hair to the rest.

$$5:20 \rightarrow 1:4$$

b) brown to rest to total.

$$\begin{array}{ccccc} 5 & : & 20 & : & 25 \\ 1 & : & 4 & : & 5 \end{array}$$

Better Buy!

Apples cost \$3.99 for 5lb bag or \$7.99 for 9lb bag.

Small $\$3.99 \div 5$ $\$0.798$ $\left\{ \frac{80¢}{11b} \right\}$ better buy

Lg $\$7.99 \div 9$ $\$0.8878$ $= \frac{89¢}{11b}$