## Proportions

$6^{\text {th }}$ Grade Mathematics
Mr. Wong

## 6-2 Proportions

Ex. 1 Solve each proportion. Round to the nearest tenth.


- Cross multiply.
- Cover the variable.
- What doesn' t belong?
- Do the opposite.
- Remember that a letter next to a number is multiplication.


## 6-2 Proportions

Ex. 2 Solve each proportion. Round to the nearest tenth.

$$
\begin{aligned}
\frac{6}{25} & * \frac{c}{80} \\
680 & =25 c \\
480 & =25 c \\
25 & =25
\end{aligned}
$$

- Cross multiply.
- Cover the variable.
- What doesn' t belong?
- Do the opposite.
- Remember that a letter next to a number is multiplication.
(Ex. 3) Five posters cost $\$ 12.50$. At this rate, how many posters can you buy for $\$ 55$ ?
\# of posters
cost
$\frac{5}{12.50} * \frac{x}{55}$
$5 \quad 55=12.50 \quad x$
$275=12.50 x$
$12.50 \quad 12.50$
$22=x$
-What are the facts?
- Posters and Cost
- Write the proportions.
- Cross multiply.
- Cover the variable.
- What doesn' t belong?
- Do the opposite.
- Remember that a letter next to a number is multiplication.
(Ex. 4) Four tea bags are needed to make a gallon of iced tea. How many tea bags are needed to make six gallons?
tea bags
gallons

-What are the facts?
- Tea Bags and Gallons
- Write the proportions.
- Cross multiply.
- Cover the variable.
- What doesn' t belong?

