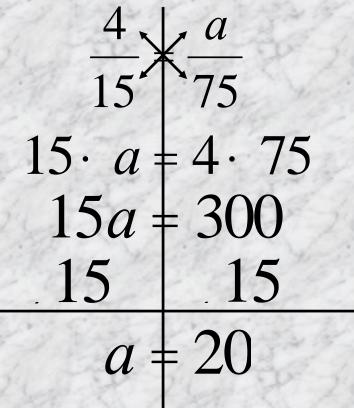
Proportions

6th 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.

25 180 $6 \cdot 80 \neq 25 \cdot c$ $480 \neq 25c$ 25 25 $19.2 \neq c$

- 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 5 12.50 55 $5 \cdot 55 \neq 12.50 \cdot x$ $275 \pm 12.50x$ 12.50 12.50 $22 \pm x$
- 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 6 $4 \cdot 6 \neq 1 \cdot x$ $24 \neq 1x$ $24 \neq x$

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