

Name: _____

Date: _____

Translate words into math: define the variable, build the equation, solve, answer in context. Last two are challenge problems!

- 1.** A number increased by 8 is 15.
Find it.

show your work

- 2.** Five times a number is 45.

show your work

- 3.** Tickets cost \$12 each plus a \$5 fee. Total was \$53. How many tickets?

show your work

- 4.** Twice a number decreased by 7 is 19.

show your work

5. A rectangle has perimeter 36 and length 10. Find the width.

show your work

6. Gym: \$25 to join plus \$15 per month. Total paid: \$115. How many months?

show your work

7. Three consecutive integers add to 45. Find them.

show your work

8. You can spend at most \$50. A shirt costs \$18. How much is left for pants (p)?

show your work

9. Fair: \$8.50 admission plus \$2.25 per ride, with a \$30 budget. Max rides? ★ CHALLENGE

show your work

10. Maria is 3 more than twice Jose's age. Their ages sum to 33. Find both. ★ CHALLENGE

show your work