

**GRADE 6 · EXPRESSIONS & EQUATIONS · EXIT TICKET****SOLVING $PX = Q$**

Today's goal: I can represent real-world problems by writing equations in the form $px = q$ for cases in which p , q , and x are all nonnegative rational numbers, solve real-world problems by solving equations in the form $px = q$ for cases in which p , q , and x are all nonnegative rational numbers, represent mathematical problems by writing equations in the form $px = q$ for cases in which p , q , and x are all nonnegative rational numbers and solve mathematical problems by solving equations in the form $px = q$ for cases in which p , q , and x are all nonnegative rational numbers.



REMEMBER $3x$ means 3 **times** x , so undo it by **dividing** — not subtracting. $3x = 18 \rightarrow$ divide both sides by 3 $\rightarrow x = 6$. Check: $3(6) = 18$ ✓ Divide the **TOTAL** by the coefficient, in that order.

**MILD****Tan the Turtle:** Slow and steady. Warm up!

- 1 Solve $3x = 18$. Show the step and check your answer.

Answer

**MEDIUM****Digit the Fox:** Stretch your brain.

- 2 Solve $7x = 56$.

Answer

- 3 Solve $4x = 10$. Give your answer as a fraction or decimal.

Answer

**SPICY****Blaze the Dragon:** Bring the heat!

- 4 A theatre seats 54 people in rows of 6. Write an equation for the number of rows x , solve it, and check. Explain why you divided rather than subtracted.

Answer



I can do this skill: ☐ Not yet ☐ Almost ☐ Got it!