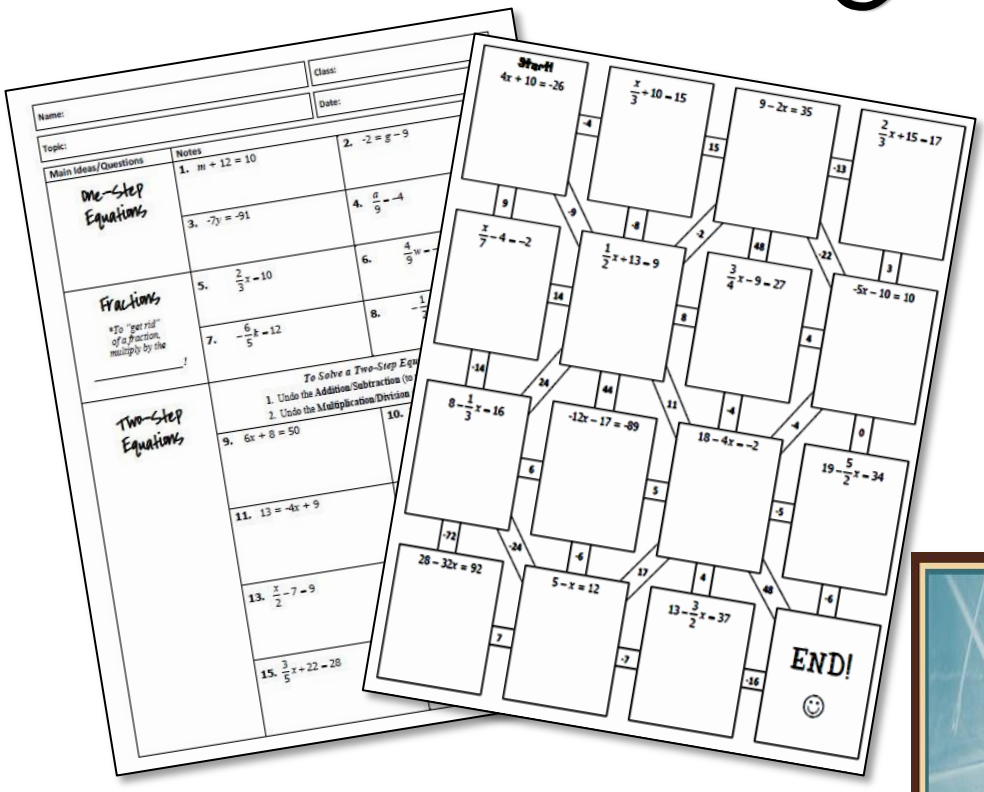
TWO-STEP EQUATIONS

Cornell Notes & Maze Activity!

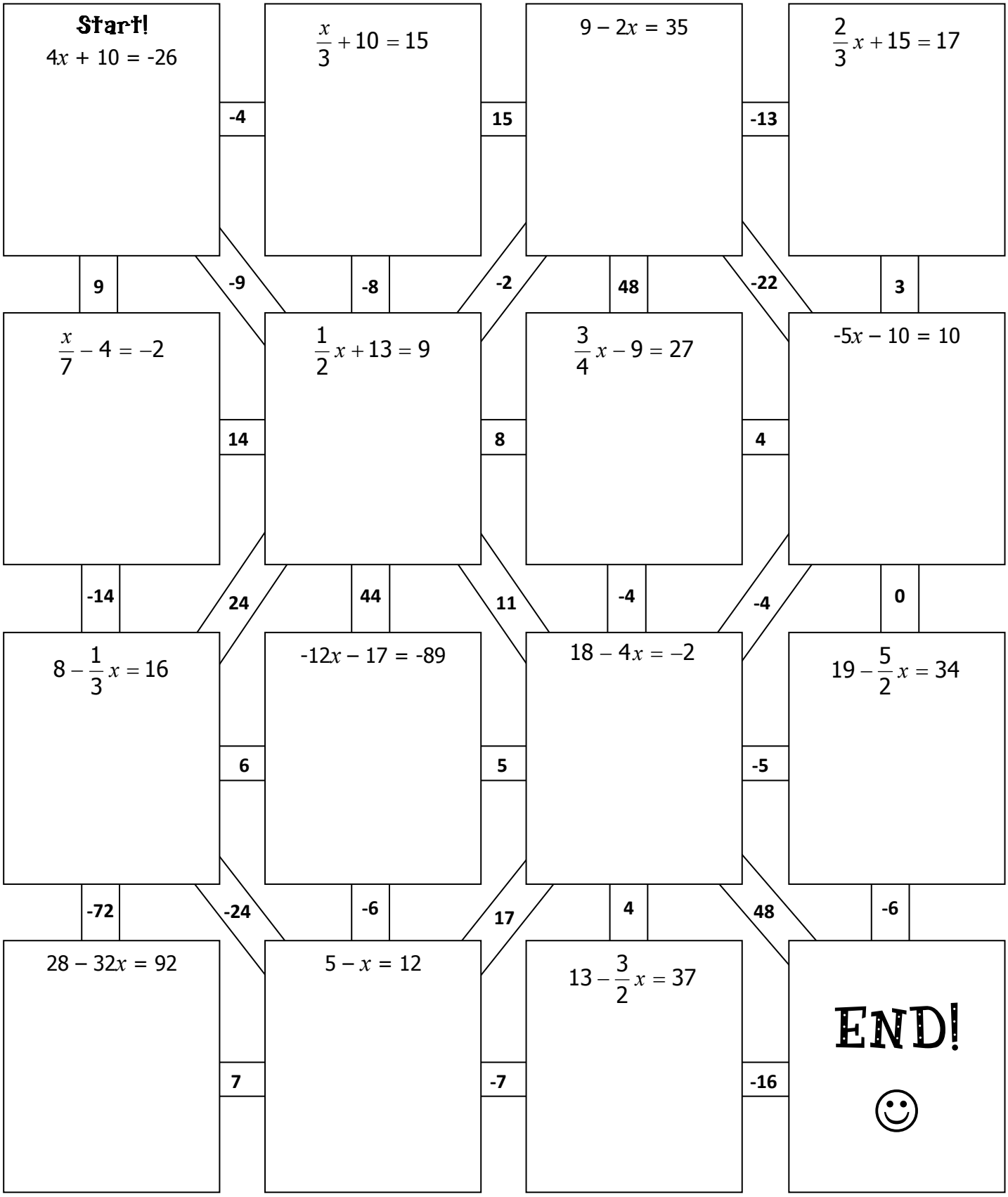


Name:	Class:
Topic:	Date:

Main Ideas/Questions	Notes	
One-Step Equations	**1.** $m + 12 = 10$	**2.** $-2 = g - 9$
	3. $-7y = -91$	**4.** $\frac{a}{9} = -4$
Fractions **To "get rid" of a fraction, multiply by the* _____*!*	**5.** $\frac{2}{3}x = 10$	**6.** $\frac{4}{9}w = -8$
	7. $-\frac{6}{5}k = 12$	**8.** $-\frac{1}{2}m = -9$
Two-Step Equations	***To Solve a Two-Step Equation:*** **1.** Undo the **Addition/Subtraction** (to remove constant term) **2.** Undo the **Multiplication/Division** (to remove coefficient)	
	9. $6x + 8 = 50$	**10.** $2x - 5 = 11$
	11. $13 = -4x + 9$	**12.** $7 - 3x = 34$
	13. $\frac{x}{2} - 7 = 9$	**14.** $11 = \frac{x}{-5} + 8$
	15. $\frac{3}{5}x + 22 = 28$	**16.** $-\frac{1}{3}x + 1 = -7$

Two-Step Equation Maze!

Directions: Use your solutions to navigate through the puzzle. **SHOW ALL STEPS!!!!**

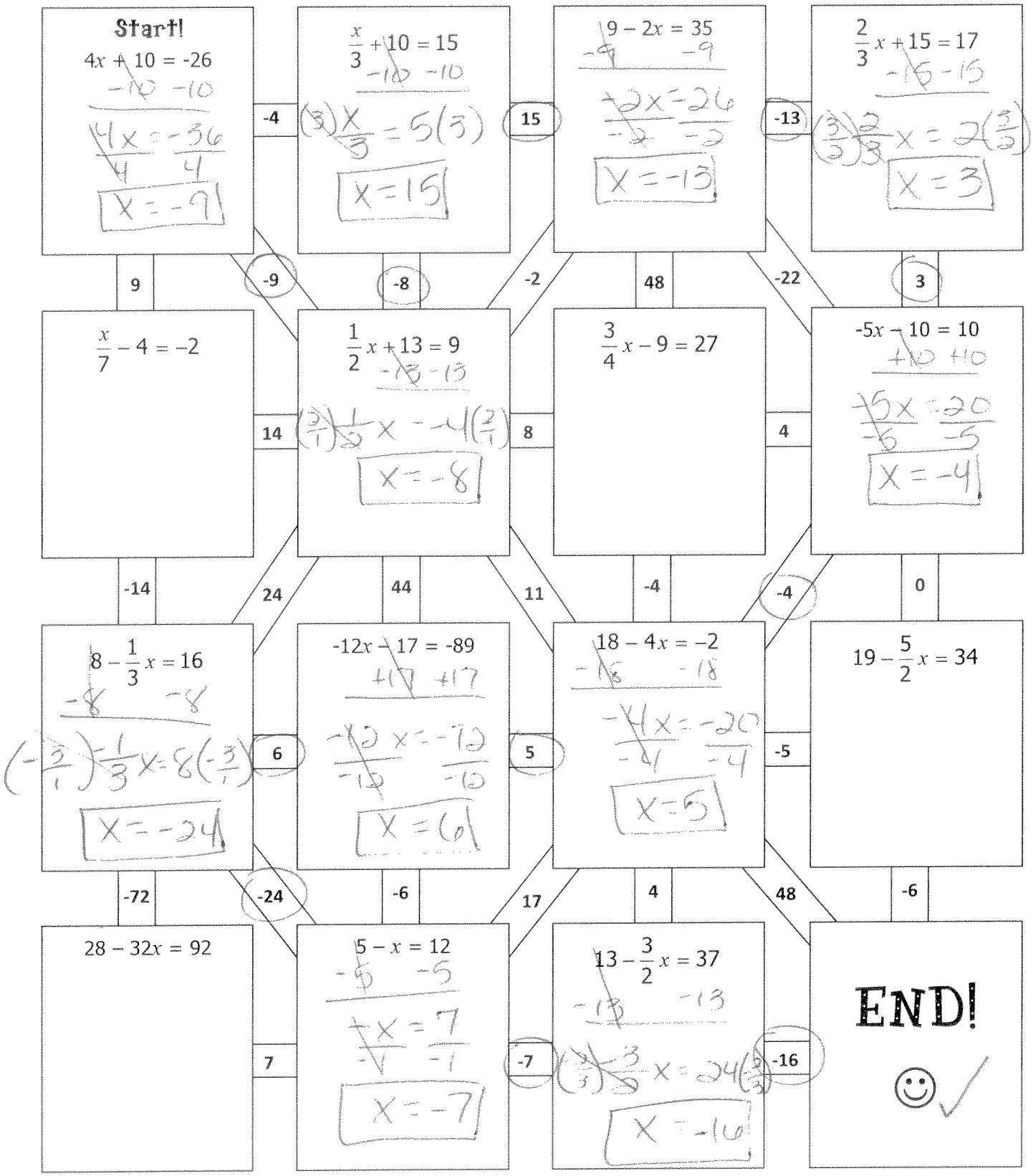


Name: Key	Class:
Topic:	Date:

Main Ideas/Questions	Notes	
One-Step Equations	**1.** $m + 12 = 10$ $-12 \quad -12$ $m = -2$	**2.** $-2 = g - 9$ $+9 \quad +9$ $7 = 9$
	3. $\frac{-7y}{-7} = \frac{-91}{-7}$ $y = 13$	**4.** $\frac{a}{9} = -4(9)$ $a = -36$
Fractions **To "get rid" of a fraction, multiply by the* reciprocal *!*	**5.** $\left(\frac{3}{2}\right)\frac{2}{3}x = 10\left(\frac{3}{2}\right)$ $x = 15$	**6.** $\left(\frac{9}{4}\right)\frac{4}{9}w = -8\left(\frac{9}{4}\right)$ $w = -18$
	7. $\left(\frac{-5}{6}\right)-\frac{6}{5}k = 12\left(\frac{-5}{6}\right)$ $k = -10$	**8.** $\left(\frac{-2}{1}\right)-\frac{1}{2}m = -9\left(\frac{-2}{1}\right)$ $m = 18$
Two-Step Equations	***To Solve a Two-Step Equation:*** 1. Undo the **Addition/Subtraction** (to remove constant term) 2. Undo the **Multiplication/Division** (to remove coefficient)	
	9. $6x + 8 = 50$ $-8 \quad -8$ $\frac{6x}{6} = \frac{42}{6}$ $x = 7$	**10.** $2x - 5 = 11$ $+5 \quad +5$ $\frac{2x}{2} = \frac{16}{2}$ $x = 8$
	11. $13 = -4x + 9$ $-9 \quad -9$ $\frac{4}{-4} = \frac{-4x}{-4}$ $-1 = x$	**12.** $7 - 3x = 34$ $-7 \quad -7$ $\frac{-3x}{-3} = \frac{27}{-3}$ $x = -9$
	13. $\frac{x}{2} - 7 = 9$ $+7 \quad +7$ $(2)\frac{x}{2} = 16(2)$ $x = 32$	**14.** $11 = \frac{x}{-5} + 8$ $-8 \quad -8$ $(-5)3 = \frac{x}{-5}(-5)$ $-15 = x$
	15. $\frac{3}{5}x + 22 = 28$ $-22 \quad -22$ $\left(\frac{5}{3}\right)\frac{3}{5}x = 6\left(\frac{5}{3}\right)$ $x = 10$	**16.** $-\frac{1}{3}x + 1 = -7$ $-1 \quad -1$ $\left(-\frac{3}{1}\right)-\frac{1}{3}x = -8\left(-\frac{3}{1}\right)$ $x = 24$

two-step equation maze!

Directions: Use your solutions to navigate through the puzzle. **SHOW ALL STEPS!!!!**



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