Slide 1

Created by Ben Bryant

WARMUP $11/\left(\left|\sqrt[3]{-8}\cdot(-1)^2\right|\right)$

1. Solve the equation: $1\frac{2}{5}x = 12\frac{3}{5}$

2. Solve the equation: $-3x - 45 = -35$

3. Compare warmup answers with your table.

4. Early finishers: Verify that the problem in the date is correct.

Slide 2

Some of you are SLACKING on your homework…

$$-2\frac{4}{5} = -3\frac{1}{2}n$$
$$\underline{-3\frac{1}{2}} \quad \underline{-3\frac{1}{2}}$$
$$n = \frac{4}{5}$$

This does **NOT** show your work. This basically just tells me you used a calculator.

Slide 3

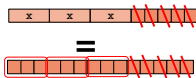Some of you are SLACKING on your homework…

$$-2\frac{4}{5} = -3\frac{1}{2}n$$

$$-2\frac{4}{5} = -3\frac{1}{2}\left(\frac{4}{5}\right)$$
$$n = \frac{4}{5}$$

This one tells me:
"I looked in the back of the book, then checked my answer to make it look like I showed my work."
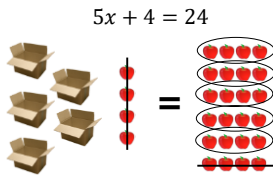
Slide 4

BACK TO YOUR 2-STEP EQUATIONS NOTES!

Slide 5

SHOWING WITH DIAGRAMS…

$3x + 5 = 14$

Slide 6

DRAW A BAR DIAGRAM TO REPRESENT THIS EQUATION…

$17 = 2x + 9$

BOXES AND APPLES...

$$5x + 4 = 24$$

MORE EXAMPLES

SOLVE. Check each answer.

4. $18 - 5x = 30$
   $$x = -\frac{12}{5} \text{ or } -2.4$$

5. $\frac{x-10}{3} = 4$
   $$x = 22$$

6. $-19 = 4x - 19$
   $$x = 0$$

P.125 (1 – 9)

1) a = 3
2) x = 5
3) c = -4
4) x = 8
5) w = -52
6) x = -2
7) n = 5; 5 bracelets
8) g = 15; 15 bracelets
9) a = 64

If you got one wrong and you can't figure out how, please request to see it worked out!!!

ANSWER ON A NOTECARD:

1. $10 = -4x + 22$

2. $\frac{3}{2}b + 12 = 30$

3. $\frac{x+2}{3} = 10$

ACTIVITY: MULTIPLE VARIABLES

- Sometimes, the variable shows up more than once.

- They can be on the same side...
  - 4x + 2x + 3 = 13

- ...or on different sides.
  - 4x + 3 = 2x + 13

EXPLORATION: BOXES & APPLES

- For each problem, you must figure out how many apples would go into each box to make both sides equal.

- **YOU MUST SOLVE EACH PROBLEM BOTH WAYS:**
  - By circling/crossing things out in the picture
  - By showing the steps in the equation

- One person shows it in the picture, the other shows it in the equation, then switch.