

Warm Up:

Student council is selling \$10 t-shirts and \$15 sweatshirts. If they sold 122 items for a total of \$1,430, how many sweatshirts did they sell?

$$t + s = 122$$

$$t = 122 - s$$

$$10t + 15s = 1430$$

$$10(122 - s) + 15s = 1430$$

$$1220 - 10s + 15s = 1430$$

$$5s + 1220 = 1430$$

$$5s = 210$$

$$s = 42$$

$$t + 42 = 122$$

$$t = 80$$

42 Sweatshirts

## Review homework

- |                       |   |
|-----------------------|---|
| <b>15.</b> (3, 0)     | <b>14.</b> (13, -5)                       |
| <b>17.</b> (-11, -19) | <b>16.</b> $(7\frac{3}{4}, -\frac{1}{8})$ |
| <b>19.</b> (-12, -5)  | <b>18.</b> (4, 6)                         |
|                       | <b>20.</b> (5, 2)                         |

$$\frac{1}{2}\left(\frac{31}{4}\right) - 4 = y$$

$$\frac{31}{8} - \frac{32}{8} = y$$

$$\frac{-1}{8} = y$$

$$y = 8 - x$$

$$7 = 2 - y$$

$$5 = -y$$

$$y = -5$$

$$-5 = 8 - x$$

$$-13 = -x$$

$$x = 13$$

Space Race:

[www.socrative.com](http://www.socrative.com) (or use app)

Student log in, room number: WOLFPACK129

Only ONE person in your group signs in!

Answer each question and watch your  
spaceship move

