

4) Tammy started a business making custom pillowcases for sports teams. When she had sold 20 pillow cases, her profit was \$300. When she had sold 50 pillow cases, her profit was \$900. Can you determine how much she charges per pillowcase and how much she spent on supplies to get started?

Can you make an equation for Tammy's business?



Students, draw anywhere on this slide!

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5.4 Anticipating, Selecting, and Sequencing Recording Sheet

Use this recording sheet to show the multiple representations students could create to solve the problem; record the students who use that representation and order the solutions for the consolidation stage.

Representation/
Solution

$$\frac{\$300}{20 \text{ pillows}} = \$15 \text{ per pillow}$$

$$\frac{900}{60} = 15$$

$$\frac{\$900}{50} = 18 \text{ per pillow}$$

Students/groups
names

Order #

Representation/
Solution

# of pillows	Cost
20	300
50	900

$$\frac{600}{30} = 20$$

$$20 \cdot 20 = 400 \rightarrow 300$$

$$50 \cdot 20 = 1000 \rightarrow 900$$

Students/groups
names

Order #

Representation/
Solution

$$(20, 300) \rightarrow (50, 900)$$

$$\frac{900 - 300}{50 - 20} = \frac{600}{30}$$

$$m = 20$$

Students/groups
names

Order #

