3-2 Practice (Skills)

A Plan for Problem Solving

Write two-step equations to solve word problems.

1. **FOOD** Kyle and Jessica decide to share the cost of a pizza. If Kyle pays twice as much as Jessica and the total cost is $18, how much does each pay? Let x represent the amount Jessica pays.

2. **CIRCUS TRIP** A school in Kyle's neighborhood plans to take students to a circus. Bus rental costs $400 and each student pays $15 for a ticket. The school has $1,000 available for the trip. How many students can attend?

3. **CAMPING** Tonya's dad rented a tent and an ice chest. A tent costs $15 more than the ice chest and both cost $65. How much did the ice chest cost?

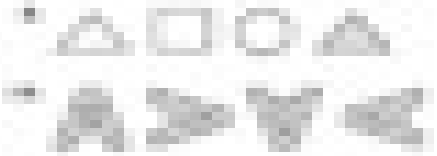
4. **PHONE** In the Kyle family, Jessica pays twice as much as Kyle and Kyle pays $5 more than Mike. Mike's share is $20. How much does each pay?

5. **CIRCUS** The Circus Circus sold 3,000 tickets. Adult tickets cost $8 and children's tickets cost $5. The total ticket sales was $21,000. How many children did they sell?

6. **CAMPING** The Mission Trail's tent costs twice Cooperstown's. Cooperstown's tent costs $10 more than Mike's. Mike's tent costs $40. How much does each tent cost?

Write a sentence to the left of each sentence. Place the first two sentences on the line.

1. Kyle, Jessica, Mike, Kyle, Jessica

2. Mike, Kyle, Mike, Kyle

Which two more figures do you think the pattern continues?