

### Daily Dilemma #14: Activity

Name \_\_\_\_\_

Date \_\_\_\_\_

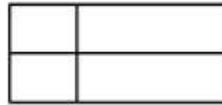
1. Catherine, Annette, Kim, and Alyssa each wanted an equal portion of the birthday cake. Which picture represents the cake already divided so that each girl would get an equal number of pieces? 2 pts.



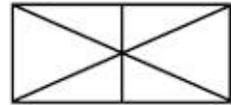
1



2



3



4

Explain how you solved this problem.

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2. Mrs. Davis wanted to rent an SUV for 1 week to drive a total of 230 km. What was the total cost of renting the SUV? (2 pts.)

Work:

Answer: \_\_\_\_\_

Bill's Auto Rental	
\$30.00 per day	All Vehicles
\$0.14 / km	Sedan
\$0.16 / km	Van
\$0.22 / km	SUV

3. Kyle, Chris, and Blayne bought an old bicycle for \$12.00. To repair the bicycle, they purchased a new tire for \$ 6.33, a new chain for \$2.46, and a can of spray paint for \$4.50. They then sold the bicycle for \$38.10 and **shared the profit equally**, how much did each of the boys make? (2 pts)

Work:

Answer: \_\_\_\_\_

4. One lovely spring day a group of boy scouts decided to meet at the school to go to the fair. At 8:00 A.M. Graham was standing on the school's front steps. At 8:01, five boys were on the steps, at 8:02, there were 9 boys, and at 8:03, there were 13 boys. They decided to head out to the fair at exactly 8:10. If the pattern is followed, how many boy scouts leave for the fair at 8:10? (2 pts.)

Work:

Answer: \_\_\_\_\_

Extra credit: (1pt) What's the rule?

5. Chelsea was eating a bowl of Campbell's Alphabet Soup. Unfortunately, she got distracted, her spoon missed her mouth, and the soup spilled. The J flipped to the right halfway to the table.

**Draw the J after it flipped here. (1pt)**

It then continued to fall and rotated 90 degrees counterclockwise.

**Now draw the J after it rotated 90 degrees counterclockwise. (1pt)**

