

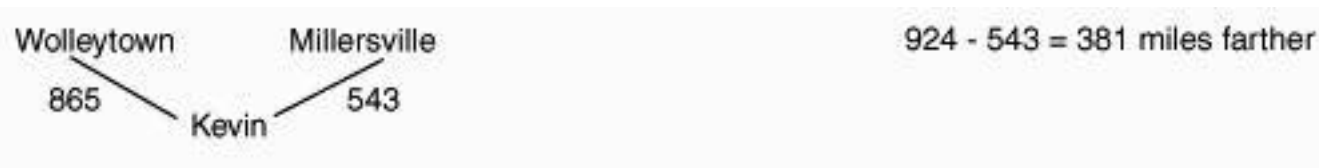
### Daily Dilemma #9: Answer Key

1. The 3<sup>rd</sup> scale is balanced with a  (rectangle).  
 For the 1<sup>st</sup> scale, a  (rectangle) is equivalent to 3  (circles).  
 From the 2<sup>nd</sup> scale, a  (square) is equivalent to 2  (circles).  
 So, the 3<sup>rd</sup> scale needs a  (square) and a  (circle) on the right-hand side for balance. This is equivalent to 3  (circles) or 1  (rectangle).

2. 2 teams each catch 5 catfish:  $10 \times 3 = 30$  pts.  
 1 team catches 4 pinfish:  $4 \times 9 = 36$  pts.  
 1 team catches 2 pinfish:  $2 \times 9 = 18$  pts.  
 total points = 84 pts.

3. Total perimeter of the pool is  $2(5+9) = 28$  meters. She needs  $28 - 19 = 9$  additional meters of fencing. Her cost is  $9 \times \$8.75 = \$78.75$ .

4.



5. 1<sup>st</sup> day                   $7 - 2 = 5$  miles  
 2<sup>nd</sup> day                   $5 + 7 - 2 = 10$  miles  
 3<sup>rd</sup> day                   $10 + 7 - 2 = 15$  miles  
 4<sup>th</sup> day                   $15 + 7 = 22$  miles  
 So, on the 4<sup>th</sup> day the train gets to the top of the hill.