Daily Dilemma #9: Answer Key

1. The 3rd scale is balanced with a [rectangle].

   For the 1st scale, a [rectangle] is equivalent to 3 [circles].

   From the 2nd scale, a [square] is equivalent to 2 [circles].

   So, the 3rd 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 X 3 = 30 pts.

   1 team catches 4 pinfish: 4 X 9 = 36 pts.

   1 team catches 2 pinfish: 2 X 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 X $8.75 = $78.75.

4.

5. 1st day 7 – 2 = 5 miles

   2nd day 5 + 7 – 2 = 10 miles

   3rd day 10 + 7 – 2 = 15 miles

   4th day 15 + 7 = 22 miles

   So, on the 4th day the train gets to the top of the hill.