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.