

Daily Dilemma #3: Answer Key

1. Let a = Prince Henry's age when he became interested in ships
 $2(a + 12) = 50$ so $a = 13$ years old

2.

Turns of wheel	3	6	9	12	15	18	21	24
Height of sail	4	8	12	16	20	24	28	32

So 24 turns of the wheel opens the sail 32 feet. Every time the wheel turns 3 times, the height of the sail increases 4 feet.

3. $56 + 56 + \square = 187$
The third side is 75 feet long.
4. $3 \times 5 = 15$ meals
5. $129 \div 3 = 42$ sailors on each ship