

Daily Dilemma #7: Answer Key

1. In 1692 the tree had been planted
 $1692 - 1620 = 72$ years. So the tree was $72 + 7 = 79$ years old.
2. There are about $13 \cdot 6 = 78$ buildings altogether.
46 buildings are shown so $78 - 46 = 32$ hidden buildings.

3.

| | | | | | | | |
|------------------------------|---|---|----|----|----|----|----|
| Time (in minutes) | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Bryan's height before Ronnie | 5 | 8 | 11 | 14 | 17 | 20 | 23 |
| Bryan's height after Ronnie | 3 | 6 | 9 | 12 | 15 | 18 | 21 |

During the 6th minute, Bryan reaches the top of the tree before Ronnie pulls him down.

4. A and D are Binkies assuming the criteria requires a closed curve with as many circles inside as outside.

5.

