

## Challenge

### Disappearing Points

Four friends are playing a game.

Each player starts with 200 points.

After each round, players subtract the points they earn.

The player who has the lowest score after two rounds will win the game.

Player	Start	Round 1	New Score	Round 2	New Score
Max	200	32			
Hilda	200	68			
Horatio	200	54			
Karen	200	46			

1. Complete the table to find the players' new scores after round one.

2. Who has the lowest score after round one?

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3. Which players have scores lower than Karen's?

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4. Whose score is 8 points lower than Karen's?

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5. **Extend It** Use the information below to fill in the rest of the table. Subtract to find each player's score in round two.

Hilda won the game with 88 points.

Horatio and Karen both finished 2 points higher than Hilda.

Max had 6 points more than Horatio and Karen.

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Player	Start	Round 1	New Score	Round 2	New Score
Max	200	32	168	72	96
Hilda	200	68	132	44	88
Horatio	200	54	146	56	90
Karen	200	46	154	64	90

1. Complete the table to find the players' new scores after round one.

2. Who has the lowest score after round one?

**Hilda**

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3. Which players have scores lower than Karen's?

**Hilda and Horatio**

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4. Whose score is 8 points lower than Karen's?

**Horatio's**

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