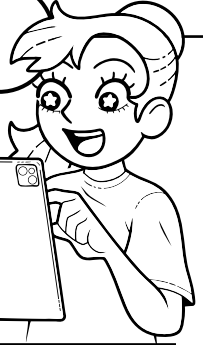# Working with Rational Numbers

Salma is playing a game on her tablet. She controls a character that must dodge falling items. Catching a falling star adds an extra 1.5 points to her final score. Getting hit by a book takes away an extra 1.5 points.

Use the information in the table to help answer the questions.

attempt	extra points earned
1	-1.5
2	-7.5
3	-3
4	-1.5
5	0
6	4.5
7	3

1. Which attempt added the most points to Salma's final score?

   _____

2. The extra points earned in which two attempts are opposite numbers?

   _____

3. Salma writes this statement to describe the extra points earned in her second and fourth attempts: **-7.5 > -1.5**. Tell whether or not she is correct, and explain why.

   _____

   _____

4. Write a statement with **<**, **>**, or **=** that compares the extra points earned in attempts 1 and 3. Then explain what it means.

   statement: _____

   meaning: _____

   _____

5. Write a statement with **<**, **>**, or **=** that compares the extra points earned in attempts 4 and 5. Then explain what it means.

   statement: _____

   meaning: _____

   _____

Challenge

Can you tell how many stars Salma caught in attempt 5?   circle   yes   no

ANSWER KEY

Working with Rational Numbers

Salma is playing a game on her tablet. She controls a character that must dodge falling items. Catching a falling star adds an extra 1.5 points to her final score. Getting hit by a book takes away an extra 1.5 points.

Use the information in the table to help answer the questions.

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3	-3
4	-1.5
5	0
6	4.5
7	3

1. Which attempt added the most points to Salma's final score?

   attempt 6

2. The extra points earned in which two attempts are opposite numbers?

   attempts 3 and 7

3. Salma writes this statement to describe the extra points earned in her second and fourth attempts: **-7.5 > -1.5**. Tell whether or not she is correct, and explain why.

   No, she is not correct, because -7.5 is less than -1.5.

4. Write a statement with **<**, **>**, or **=** that compares the extra points earned in attempts 1 and 3. Then explain what it means.

   statement: **-1.5 > -3**

   meaning: **Salma earned more extra points in attempt 1 than attempt 3.**

5. Write a statement with **<**, **>**, or **=** that compares the extra points earned in attempts 4 and 5. Then explain what it means.

   statement: **-1.5 < 0**

   meaning: **Salma earned fewer extra points in attempt 4 than attempt 5.**

Challenge

circle

Can you tell how many stars Salma caught in attempt 5?   yes   **no**

TL