Lesson 2.2: Adding and Subtracting Negative Numbers

Targets

1. I can add negative numbers.
2. I can subtract negative numbers.
3. I can solve word problems that involve negative numbers.

Adding Negative Numbers

First, attempt this problem on your own. Then watch the video and copy the notes.

Find the sum: $-15 + (-46) + 29$

Your attempt: Video Notes:

Adding Numbers with Different Signs

First, attempt this problem on your own. Then watch the video and copy the notes.

Find the sum: $15 + (-46) + (-29)$

Your attempt: Video Notes:

Khan Activity: Adding Negative Numbers Intro

Complete this activity on Khan.

Adding and Subtracting Negative Numbers

First, attempt these problems on your own. Then watch the video and copy the notes.

Complete the following problems:

Your attempt: Video Notes:

2 - 3 =   *2 - 3 =*

-2 - 3 =   *-2 - 3 =*

-2 + 3 =   *-2 + 3 =*

2 - (-3) =   *2 - (-3) =*

-2 - (-3) =   *-2 - (-3) =*

Subtracting a Negative = Adding a Positive

Watch this video and take notes here:

Khan Activity: <u>Subtracting Negative Numbers Intro</u>

Complete this activity on Khan.

Finding Initial Temperature from Temperature Changes

First, attempt these problems on your own. Then watch the video and copy the notes.

Amanda lives in Fairbanks, Alaska. The table below shows the temperature changes in Fairbanks over a two-hour period.

Time	Change in temperature
3 p.m. to 4 p.m.	$+2°C$
4 p.m. to 5 p.m.	$-5°C$

Amanda notices the temperature at 5 p.m. is $-9°C$.

What was the temperature in Fairbanks at 3 p.m.?

<u>Your attempt:</u>   <u>Video Notes:</u>

Khan Activity: <u>Negative Number Addition and Subtraction: Word Problems</u>

Complete this activity on Khan.

Exit Ticket
1. Have all your notes filled out above.
2. Complete the following Khan Academy Activities:
   a. **<u>Adding Negative Numbers Intro</u>**
   b. **<u>Subtracting Negative Numbers Intro</u>**
   c. **<u>Negative Number Addition and Subtraction: Word Problems</u>**