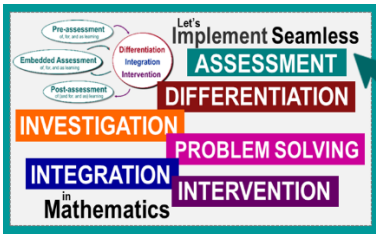
Add and Subtract Single-Digit Numbers Bridging Any Decade



INVESTIGATIONS OVERVIEW PAGE
THIS PAGE IS A SUMMARY OF THE INVESTIGATIONS THAT STUDENTS MAY ENGAGE IN TO DEEPEN THEIR RELATIONAL UNDERSTANDING.

INVESTIGATIONS WITH INSTRUCTIONS TO STUDENTS FOLLOW ON SUBSEQUENT PAGES.

- In pairs, children select cards to make a two-digit number and a single-digit number that add into the next decade. They add the numbers using friends of any decade to add to the next decade, partition their number, then add the remaining part using place value. Reflection: How can we add a two-digit number and a single-digit number using place value?
- In pairs, children select cards to make a two-digit number and a single-digit number that subtract into the decade below. They subtract the numbers using place value to subtract to the decade below, partition their number, then subtract the remaining part using friends of any decade. Reflection: How can we subtract a single-digit number from a two-digit number using place value?
- In pairs, children take turns to flip a card and keep a running total. First player to reach 100 wins. Reflection: How did you add your numbers using place value?
- In pairs, children take turns to flip a card and subtract from 100, keeping a running total. First player to reach 0 wins. Reflection: How did you subtract your numbers using place value?
- In pairs, children start with 50 points. In turn children flip a card. If the card is red they subtract its value from their total. If the card is black they add its value to their total. The first player to either 0 or 100 wins. Reflection: How did you add and subtract your numbers using place value?
- Children use a calculator to add a single-digit number to a two-digit number that adds into the next decade, then check using a non-count by ones strategy. Children explain their strategy to a friend. Reflection: How did you add your numbers using place value?
- Children use a calculator to subtract a single-digit number from a two-digit number that subtracts into the decade below, then check using a non-count by ones strategy. Children explain their strategy to a friend. Reflection: How did you subtract your numbers using place value?

Add and Subtract Single-digit Numbers Bridging Any Decade

Select cards to make a two-digit number and a single-digit number that add into the next decade.

Add the numbers

- using friends of any decade to add to the next decade,
- partition your number,
- then add the remaining part using place value.

Reflection: How can we add a two-digit number and a single-digit number using place value?

Add and Subtract Single-digit Numbers Bridging Any Decade

Select cards to make a two-digit number and a single-digit number that subtract into the decade below.

Subtract the numbers

- using place value to subtract to the decade below,
- partition your number,
- then subtract the remaining part using friends of any decade.

Reflection: How can we subtract a single-digit number from a two-digit number using place value?

Add and Subtract Single-digit Numbers Bridging Any Decade

Sit with a friend.

Take turns to flip a card and keep a running total.

First player to reach 100 wins.

Reflection: How did you add your numbers using place value?

Add and Subtract Single-digit Numbers Bridging Any Decade

Sit with a friend.

Take turns to flip a card and subtract from 100, keeping a running total.

First player to reach 0 wins.

Reflection: How did you subtract your numbers using place value?

Add and Subtract Single-digit Numbers Bridging Any Decade.

Sit with a friend.

Start with 50 points.

Take turns to flip a card.

If the card is red, subtract its value from your total.

If the card is black, add its value to your total.

The first player to either 0 or 30 wins.

Reflection: How did you add and subtract your numbers using place value?

Add and Subtract Single-digit Numbers Bridging Any Decade

Sit with a friend.

Use a calculator to add a single-digit number to a two-digit number that adds into the next decade.

Check your answer using a non-count by ones strategy.

Explain your strategy to a friend.

Reflection: How did you add your numbers using place value?

Add and Subtract Single-digit Numbers Bridging Any Decade

Sit with a friend.

Use a calculator to subtract a single-digit number to a teen number that subtracts into the decade below.

Check your answer using a non-count by ones strategy.

Explain their strategy to a friend.

Reflection: How did you subtract your numbers using place value?