

Fractions and Decimals: Same Number, Different Look

Fractions and decimals can show the same amount. They look different, but they mean the same thing.

Write about a time you split something fairly, like a pizza, a chocolate bar, or a bag of chips, into tenths or hundredths. Show the amount as a fraction and then as a decimal number, and explain how you know they represent the same value ([Skills](#), [Knowledge](#)).

Where to start:

- What did you split, and how many equal parts did you make?
- Write your amount as a fraction with a denominator of 10 or 100.
- Now write it as a decimal number. What place is each digit in?
- How could you check your fraction and decimal land on the same spot on a number line ([Understanding](#))?
- If you had money instead of food, how would cents become dollars using decimal notation ([Skills](#))?

Stretch:

Pick two different amounts from your story and add them together as decimals. Estimate first, then use the standard algorithm, and check your answer matches your estimate ([Knowledge](#), [Skills](#)).