



Sums of Tenths and Hundredths

Let's add more tenths and hundredths.

Warm-up

Which Three Go Together: Tenths and Hundredths

Which 3 go together?

A. $\frac{48}{100}$

B. $\frac{8}{10}$

C. $\frac{120}{100}$

D. $\frac{70}{100}$



Activity 1

Card Sort: Less than, Equal to, or Greater than 1?

Your teacher will give you a set of cards.

- 1. Sort the cards, based on whether the value of each expression is less than 1, equal to 1, or greater than 1.

After you sort the cards, make a quick list of which expressions you have in each group.

- 2. Visit the sorted collection of another group.
 - Did they sort the cards the same way?
 - Select 1–2 cards that you have a question about or whose placement you disagree with.
 - Leave a note for the group members to discuss.
- 3. Return to your collection.
 - Discuss any notes that are left for your group, or revise your sorting decision, based on what you learned from another group.
 - Record the expressions here.

less than 1	equal to 1	greater than 1

Activity 2

What's Missing?

1. Each equation has an unknown fraction in hundredths. Find the fraction that makes each equation true.

a. $\frac{10}{100} + \underline{\hspace{2cm}} = \frac{30}{100}$

b. $\underline{\hspace{2cm}} + \frac{2}{10} = \frac{80}{100}$

c. $\frac{7}{10} + \underline{\hspace{2cm}} = \frac{94}{100}$

d. $\frac{9}{100} + \underline{\hspace{2cm}} = \frac{8}{10}$

e. $\frac{16}{100} + \frac{4}{10} = \underline{\hspace{2cm}}$

f. $\underline{\hspace{2cm}} + \frac{14}{10} = \frac{172}{100}$

2. Each equation has an unknown fraction in tenths or hundredths. Find the fraction that makes each equation true.

a. $\frac{20}{100} + \underline{\hspace{2cm}} = \frac{28}{100}$

b. $\frac{110}{100} + \underline{\hspace{2cm}} = \frac{15}{10}$

c. $\frac{61}{100} + \frac{3}{10} = \underline{\hspace{2cm}}$

d. $\frac{9}{10} + \underline{\hspace{2cm}} = \frac{170}{100}$

e. $\underline{\hspace{2cm}} + \frac{72}{100} = \frac{102}{100}$

f. $\frac{15}{100} + \underline{\hspace{2cm}} = 1\frac{55}{100}$

Activity 3

Fraction Action: Tenths, Hundredths

Play Fraction Action with 2 players:

- Shuffle the cards that your teacher gives you. Place the cards facedown in a stack.
- Each player turns over 2 cards and adds the fractions on the cards.
- Compare the sums. The player with the greater sum wins that round and keeps all 4 cards.
- If the sums are equivalent, each player turns over 1 more card and adds the value to their sum. The player with the greater new sum keeps all cards.
- The player with the most cards wins the game.

Play Fraction Action with 3 or 4 players:

- The player with the greatest sum of fractions wins the round.
- If 2 or more players have the greatest sum, each of those players turns over 2 more cards and finds their sum. The player with the greatest sum keeps all the cards.

Record any pair of fractions whose sum is challenging to find here.

_____ and _____

_____ and _____

_____ and _____

_____ and _____

