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Adding Tenths and Hundredths

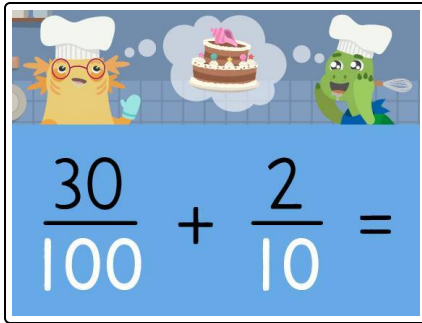$$\frac{30}{100} \;+\; \frac{2}{10} \;=$$
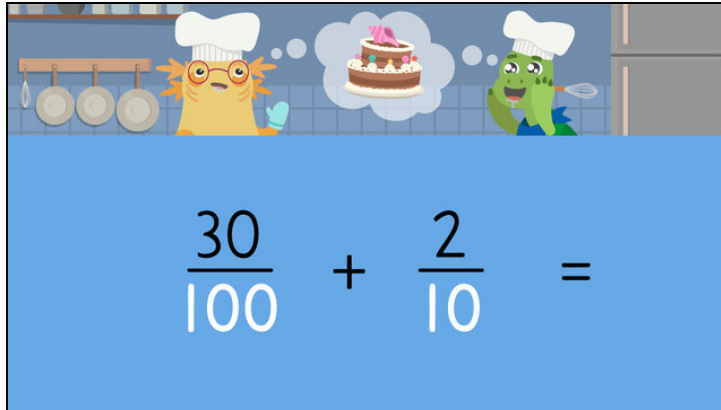
(1) **Calculate the sum of the equation.**

(2) Identify the different parts of the equation.

(3) Identify the statements that accurately describe tenths and hundredths.

(4) Identify the correct order or steps to solve.

(5) Match each addition expression with the correct sum.

(6) Calculate the sum of the equations.

(+) with many hints, answer keys, and solution approaches for all tasks

⚠ The complete package, **including all tasks, hints, solutions, and solution approaches**, is available to all subscribers of sofatutor.com

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Worksheet: Adding Tenths and Hundredths
Math / Fractions and Decimals / Fractions / Adding Fractions / Adding Tenths and Hundredths

1
from 6

Calculate the sum of the equation.

Fill in the blanks with the correct fraction from the bank.

Axel and Tank are having trouble remembering the steps for adding **tenths** and **hundredths**. Help them out by completing the steps to solve the equation $\frac{30}{100}$ + $\frac{2}{10}$ = ?

| $\frac{50}{100}$ | ? | $\frac{1}{2}$ | $\frac{20}{100}$ |

1 Step 1: $\frac{30}{100}$ + $\frac{2}{10}$ = _____ 1

2 Step 2: $\frac{2}{10}$ x $\frac{10}{10}$ = _____ 2

3 Step 3: $\frac{30}{100}$ + $\frac{20}{100}$ = _____ 3

4 Step 4: $\frac{50}{100}$ ÷ $\frac{50}{50}$ = _____ 4

Our hints for the tasks

① (from 6) Calculate the sum of the equation.

1. Hint

The first step to solve the problem is to identify the unknown amount with a **question mark** (?).

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2. Hint

In order to add **tenths** and **hundreds**, you first have to create **like denominators** using *multiplication*. *Multiply* **BOTH** the **numerator** (above) and **denominator** (below).

Like denominators: $\frac{10}{20} + \frac{2}{20}$

Different denominators: $\frac{1}{50} + \frac{1}{10}$

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3. Hint

Once you have **like denominators**, you can add your fractions to find the **sum**. **Only** add the **numerators**! (The number above).

$\frac{30}{100} + \frac{20}{100} = ?$

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4. Hint

Once you have added your fractions and have the **sum**, check if the **sum** can be **simplified**, or made smaller, using *division*. *Divide* **BOTH** the **numerator** (above) and **denominator** (below).

$\frac{50}{100} \div \frac{50}{50} = ?$

Solutions and solution approaches for the tasks

1
from 6

Calculate the sum of the equation.

Answer key: 1: ? // 2: $\frac{20}{100}$ // 3: $\frac{50}{100}$ // 4: $\frac{1}{2}$

$$\frac{30}{100} + \frac{2}{10} = \frac{1}{2}$$

- $\frac{3}{100} + \frac{2}{10} = ?$
- $\frac{2}{10} \times \frac{10}{10} = \frac{20}{100}$
- $\frac{30}{100} + \frac{20}{100} = \frac{50}{100}$
- $\frac{50}{100} \div \frac{50}{50} = \frac{1}{2}$

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