

Adding decimals – line up the points

MODULE 2 · OPERATIONS AND COMPUTATIONAL FLUENCY NUMBER

When adding or subtracting decimals, **line up the decimal points** so tenths sit under tenths, hundredths under hundredths.

→ $2.45 + 1.3$ → write 1.3 as 1.30, line up: $2.45 + 1.30 = 3.75$.

→ $8.7 - 2.95$ → $8.70 - 2.95 = 5.75$.

 $\frac{1}{2}$ 

ADDING 8.45 + 1.3

$$\begin{array}{r} 8.45 \\ + 1.30 \\ \hline 9.75 \end{array}$$

- Write 1.3 with a zero so both numbers have the same decimal places: **1.30**.
- Line up the decimal points and add column by column.
- Answer: **9.75**.



TRY IT ON THE LINE

Write each decimal sum with the decimal points aligned. Fill any gap with a trailing zero, then add column by column.

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- Rows 1+2: $4.7 + 0.85$ (write $4.70 + 0.85$).
- Rows 3+4: $0.3 + 0.27$ (write $0.30 + 0.27$).
- Rows 5+6: $1.05 + 2.345$ (write $1.050 + 2.345$).
- Rows 7+8: $9.99 + 0.01$ (cascade regroup to the units column).

 $\frac{1}{2}$ 

PRACTICE

- 5th class held a bake sale at break to raise money for the school garden. The cupcake tray made **€74.76** and the brownie tray made **€35.21**. How much did the two trays make in total?
- 5th class are totting up their school tour fund. In the first week they collected **€23.87**, and in the second week they collected **€75.29**. How much have they raised altogether so far?

 $\frac{1}{2}$

SPOT THE MISTAKE

Aoife works out $8.45 + 1.3$ like this:

$$\begin{array}{r} 8.45 \\ + 1.3 \\ \hline 8.58 \end{array}$$

Find Aoife's mistake. What's the correct answer?

