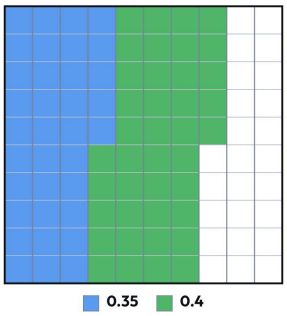
Name _____ Date _____

Adding and Subtracting Decimals with Models

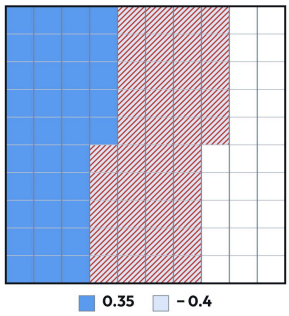
Example

0.35 + 0.4 = 0.75



35 hundredths + 40 hundredths = 75 hundredths

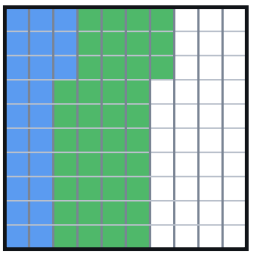
0.75 − 0.4 = 0.35



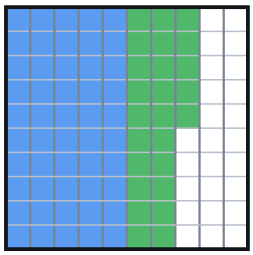
75 hundredths − 40 hundredths = 35 hundredths

We add and subtract **the same place values**: tenths with tenths, hundredths with hundredths.

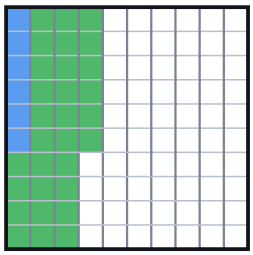
1 ON YOUR OWN Blue is the first addend and green the second. Write the calculation.



□ + □ = □

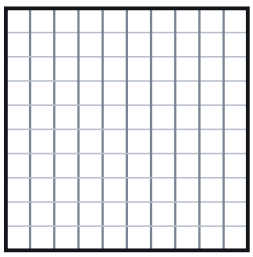


□ + □ = □

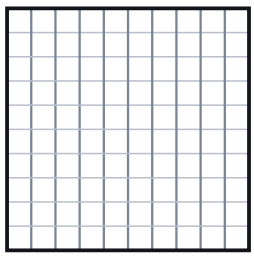


□ + □ = □

2 ON YOUR OWN Colour and work it out. For subtraction, colour the first number, then cross out what you take away.



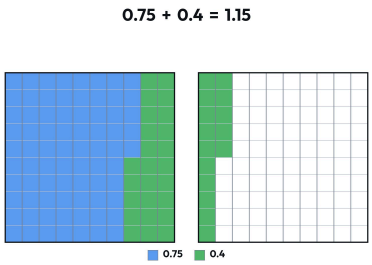
$0.3 + 0.45 =$ □



$0.6 - 0.15 =$ □

Names (pair) _____ Date _____

Example



A hundred hundredths make **one whole**. When the sum goes past 1, we carry on to a second grid: $0.75 + 0.4 = 1.15$.

Remember

As with whole numbers, when there are 10 or more of a place value, we exchange: 10 hundredths $= 1$ tenth, 10 tenths $= 1$ whole.

3 IN PAIRS Work out mentally. Help yourselves: how many tenths or hundredths is it?

$0.3 + 0.08 =$ ☐

$0.7 + 0.5 =$ ☐

$1.2 - 0.4 =$ ☐

$0.9 - 0.25 =$ ☐

$0.45 + 0.55 =$ ☐

$2 - 0.3 =$ ☐

4 IN PAIRS Who is right? Explain using the grid.

Luke: $0.5 + 0.25 = 0.30$ **because** $5 + 25 = 30$. **true** / **false**

Why? _____

Mia: $0.9 + 0.1 = 1$. **true** / **false**

Why? _____

5 ON YOUR OWN Ana bought a pencil for €0.85 and a rubber for €0.4. How much did she pay? How much is left from €2?

_____

The Decimal Grid app · otooly.com/decimal-grid

In **Add** and **Subtract** modes type two numbers: the second addend is green, and what you take away is crossed out.

★ ON YOUR OWN **Exit card.** Work out $0.6 + 0.07$ and $1 - 0.35$.

_____