

LO: To find the unknown number in a number sentence.

**Bronze**

Use a number line or Diennes to solve these number sentences

$18 + \underline{\quad} = 20$	$\underline{\quad} - 10 = 20$
$21 + \underline{\quad} = 30$	$\underline{\quad} - 10 = 15$
$15 + \underline{\quad} = 25$	$\underline{\quad} - 5 = 15$
$16 + \underline{\quad} = 20$	$\underline{\quad} - 5 = 12$
$22 + \underline{\quad} = 28$	$\underline{\quad} - 11 = 22$
$11 + \underline{\quad} = 17$	$\underline{\quad} - 11 = 34$

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Use a number line or Diennes to solve these number sentences

First solve the calculation, then write the inverse (change + to - or - to +)

e.g.  $15 + \underline{3} = 18 \quad \longrightarrow \quad 18 - 15 = \underline{3}$

$11 + \underline{\quad} = 15 \quad \longrightarrow \quad \underline{\hspace{2cm}}$

$\underline{\quad} + 6 = 36 \quad \longrightarrow \quad \underline{\hspace{2cm}}$

$\underline{\quad} - 20 = 15 \quad \longrightarrow \quad \underline{\hspace{2cm}}$

$\underline{\quad} - 30 = 20 \quad \longrightarrow \quad \underline{\hspace{2cm}}$

$\underline{\quad} - 20 = 14 \quad \longrightarrow \quad \underline{\hspace{2cm}}$

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Challenge:

e.g.  $6 \times \underline{2} = 12 \quad \longrightarrow \quad 12 \div \underline{2} = 6$

$4 \times \underline{\quad} = 8 \quad \longrightarrow \quad \underline{\hspace{2cm}}$

$3 \times \underline{\quad} = 15 \quad \longrightarrow \quad \underline{\hspace{2cm}}$

$20 \div \underline{\quad} = 4 \quad \longrightarrow \quad \underline{\hspace{2cm}}$

Use a number line or Diennes to solve these number sentences  
First solve the calculation, then write the inverse (change + to - or - to +)

e.g.  $15 + \underline{3} = 18 \longrightarrow 18 - 15 = \underline{3}$

$18 + \underline{\quad} = 37 \longrightarrow \underline{\hspace{2cm}}$

$\underline{\quad} - 15 = 29 \longrightarrow \underline{\hspace{2cm}}$

$5 \times \underline{\quad} = 30 \longrightarrow \underline{\hspace{2cm}}$

$\underline{\quad} \div 10 = 7 \longrightarrow \underline{\hspace{2cm}}$

$\underline{\quad} + 32 = 48 \longrightarrow \underline{\hspace{2cm}}$

$\underline{\quad} - 57 = 24 \longrightarrow \underline{\hspace{2cm}}$

Challenge:

$\underline{3} \underline{\quad} + \underline{\quad} \underline{4} = 37 \longrightarrow \underline{\hspace{2cm}}$

$\underline{2} \underline{\quad} + \underline{\quad} \underline{5} = 37 \longrightarrow \underline{\hspace{2cm}}$

$\underline{1} \underline{\quad} + \underline{\quad} \underline{8} = 37 \longrightarrow \underline{\hspace{2cm}}$