

2.NBT.B.5 Addition by Decomposing the Addends

2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or relationship between addition and subtraction.

This is how you find the sum of numbers by breaking apart the addends.

$$\begin{array}{r}
 35 + 28 = ? \\
 \swarrow \quad \searrow \quad \swarrow \quad \searrow \\
 30 + 5 + 20 + 8
 \end{array}$$

Add the tens. $\Rightarrow 30 + 20 = 50$

Add the ones. $\Rightarrow 5 + 8 = 13$

How many in all? $50 + 13 = 63$

Therefore $35 + 28 = 63$.

Find the sum of these numbers by breaking apart the addends.

$$\begin{array}{r}
 45 + 26 = ? \\
 \swarrow \quad \searrow \quad \swarrow \quad \searrow \\
 \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}
 \end{array}$$

Add the tens. $\Rightarrow \underline{\quad} + \underline{\quad} = \underline{\quad}$

Add the ones. $\Rightarrow \underline{\quad} + \underline{\quad} = \underline{\quad}$

How many in all? $\underline{\quad} + \underline{\quad} = \underline{\quad}$

Therefore $\underline{\quad} + \underline{\quad} = \underline{\quad}$.

Find the sum of these numbers by breaking apart the addends.

$$\begin{array}{r}
 39 + 19 = ? \\
 \swarrow \quad \searrow \quad \swarrow \quad \searrow \\
 \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}
 \end{array}$$

Add the tens. $\Rightarrow \underline{\quad} + \underline{\quad} = \underline{\quad}$

Add the ones. $\Rightarrow \underline{\quad} + \underline{\quad} = \underline{\quad}$

How many in all? $\underline{\quad} + \underline{\quad} = \underline{\quad}$

Therefore $\underline{\quad} + \underline{\quad} = \underline{\quad}$.

Find the sum of these numbers by breaking apart the addends.

$$\begin{array}{r}
 75 + 26 = ? \\
 \swarrow \quad \searrow \quad \swarrow \quad \searrow \\
 \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}
 \end{array}$$

Add the tens. $\Rightarrow \underline{\quad} + \underline{\quad} = \underline{\quad}$

Add the ones. $\Rightarrow \underline{\quad} + \underline{\quad} = \underline{\quad}$

How many in all? $\underline{\quad} + \underline{\quad} = \underline{\quad}$

Therefore $\underline{\quad} + \underline{\quad} = \underline{\quad}$.

2.NBT.B.5 Addition by Decomposing the Addends

Answer Key

2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or relationship between addition and subtraction.

This is how you find the sum of numbers by breaking apart the addends.

$$\begin{array}{r}
 35 + 28 = ? \\
 \swarrow \quad \searrow \quad \swarrow \quad \searrow \\
 30 + 5 + 20 + 8
 \end{array}$$

Add the tens. $\Rightarrow 30 + 20 = 50$

Add the ones. $\Rightarrow 5 + 8 = 13$

How many in all? $50 + 13 = 63$

Therefore $35 + 28 = 63$.

This is how you find the sum of numbers by breaking apart the addends.

$$\begin{array}{r}
 45 + 26 = ? \\
 \swarrow \quad \searrow \quad \swarrow \quad \searrow \\
 40 + 5 + 20 + 6
 \end{array}$$

Add the tens. $\Rightarrow 40 + 20 = 60$

Add the ones. $\Rightarrow 5 + 6 = 11$

How many in all? $60 + 11 = 71$

Therefore $45 + 26 = 71$.

This is how you find the sum of numbers by breaking apart the addends.

$$\begin{array}{r}
 39 + 18 = ? \\
 \swarrow \quad \searrow \quad \swarrow \quad \searrow \\
 30 + 9 + 10 + 8
 \end{array}$$

Add the tens. $\Rightarrow 30 + 10 = 40$

Add the ones. $\Rightarrow 9 + 8 = 17$

How many in all? $40 + 17 = 57$

Therefore $39 + 18 = 57$.

This is how you find the sum of numbers by breaking apart the addends.

$$\begin{array}{r}
 75 + 26 = ? \\
 \swarrow \quad \searrow \quad \swarrow \quad \searrow \\
 70 + 5 + 20 + 6
 \end{array}$$

Add the tens. $\Rightarrow 70 + 20 = 90$

Add the ones. $\Rightarrow 5 + 6 = 11$

How many in all? $90 + 11 = 101$

Therefore $75 + 26 = 101$.