

Addition and Subtraction Unit 1

Problem solving and reasoning questions

Complete these additions mentally, with only the answer written down!

$$78 + 127 = \boxed{} \quad \text{and} \quad 348 + 39 = \boxed{}$$

Use a different method for each one and explain both your strategies.

Write the missing numbers in this calculation,

$$\begin{array}{r} 200 \quad \boxed{} \quad 7 \\ + 500 \quad 60 \quad \boxed{} \end{array}$$

$$\boxed{} \quad 40 \quad 5$$

If 378 is subtracted from a number to leave 284, what was the number?

Add $375 + 528 + 194$ using **expanded** column addition.

These questions should be provided for children to do once the unit has been completed. They assess the children's mastery of the skills and concepts in this unit.

Addition and Subtraction Unit 1

Problem solving and reasoning questions

Complete these additions mentally, with only the answer written down!

$$78 + 127 = \boxed{205} \quad \text{and} \quad 348 + 39 = \boxed{387}$$

Use a different method for each one and explain both your strategies.

$78 + 127$ Start with the larger number, 127, and solve by partitioning 78, adding 70 then 8.

$348 + 39$ Add 40 then subtract 1 to adjust.

Other strategies are possible, look for coherence in the explanation.

Write the missing numbers in this calculation,

$$\begin{array}{r} 200 \quad \boxed{70} \quad 7 \\ + 500 \quad 60 \quad \boxed{8} \\ \hline 100 \quad 10 \\ \hline \boxed{800} \quad 40 \quad 5 \end{array}$$

If 378 is subtracted from a number to leave 284, what was the number? 662 . Some children may be confused by the wording and attempt a subtraction.

These questions should be provided for children to do once the unit has been completed. They assess the children's mastery of the skills and concepts in this unit.

Add $375 + 528 + 194$ using **expanded** column addition.

1097 Answers such as 987 or 997 suggest children have either forgotten the extra 10 or 100.

$$\begin{array}{r} 300 \quad 70 \quad 5 \\ 500 \quad 20 \quad 8 \\ + 100 \quad 90 \quad 4 \\ \hline 100 \quad 10 \\ \hline 1000 \quad 90 \quad 7 = 1097 \end{array}$$

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