

Addition and Subtraction within 100

Time: 15 min. 6 questions.

Instructions

Answer all six questions. You may use counters, number lines, or drawings to help you. Show your thinking when asked. Work through each question carefully.

Questions

1. What is $23 + 15$? ([Skills](#))
A) 37
B) 38
C) 39
D) 40
2. Maya has 42 stickers. She gives 18 stickers to her friend. How many stickers does Maya have left? Show your work. ([Skills](#))
3. True or false: If you add $5 + 3 + 2$, you get the same answer as $3 + 5 + 2$. ([Knowledge](#))
4. Write a number sentence that shows 100 as 60 and 40 added together. ([Skills](#))
5. Which number sentence is correct?
A) $34 + 20 = 54$
B) $34 + 20 = 52$
C) $34 + 20 = 56$
D) $34 + 20 = 50$
6. Sam has 30 apples. He picks more apples. Now he has 47 apples. How many apples did Sam pick? ([Skills](#))

Curriculum coverage

Question	Outcome Alias	Learning Focus
1	Skills	Add two-digit numbers within 100
2	Skills	Subtract within 100 and solve word problems
3	Knowledge	Understand the associative property of addition
4	Skills	Compose 100 as a sum of multiples of 10
5	Skills	Add two-digit numbers and identify correct sums
6	Skills	Find a missing quantity in an addition problem

Answer key

1. B) 38. Adding $23 + 15$: $20 + 10 = 30$, then $3 + 5 = 8$, so $30 + 8 = 38$.
2. 24 stickers. Subtracting $42 - 18$: count back or use $42 - 20 + 2 = 24$.

3. True. The order of the addends does not change the sum; both equal 10.
4. $60 + 40 = 100$. Students may also write $40 + 60 = 100$.
5. A) $34 + 20 = 54$. Adding $34 + 20$: $30 + 20 = 50$, then $50 + 4 = 54$.
6. 17 apples. Finding the missing addend: $30 + ? = 47$, so $47 - 30 = 17$.