

# Addition and Subtraction within 100

Time: 15 min. 6 questions.

## Instructions

Answer all six questions. You may draw pictures or use objects to help you. Show your thinking when a question asks you to. Write your answers clearly on the lines provided.

## Questions

- Which number sentence shows a way to decompose  $25 + 30$ ?  
A)  $20 + 5 + 30$   
B)  $25 + 3 + 0$   
C)  $25 + 10 + 10 + 10$   
D)  $25 + 20 + 20$   
([Details](#))
- Sam has 15 stickers. He gets 12 more stickers. How many stickers does Sam have now? Show your thinking.  
([Details](#))
- True or false:  $40 + 20 = 50 + 10$   
([Outcome](#))
- Find the missing number:  $35 + \underline{\quad} = 50$   
([Details](#))
- Maya counts 28 beads in one pile and 22 beads in another pile. How many beads does she have altogether?  
([Details](#))
- Write a number sentence that adds three numbers to make 40. (Example:  $10 + 10 + 20 = 40$ )  
([Details](#))

## Curriculum Coverage

| Question | Learning Outcome |
|----------|------------------|
| 1        | Details          |
| 2        | Details          |
| 3        | Outcome          |
| 4        | Details          |
| 5        | Details          |
| 6        | Details          |

## Answer Key

- A)  $20 + 5 + 30$  or C)  $25 + 10 + 10 + 10$**   
Both decompositions are valid ways to show  $25 + 30$ . Option A breaks 25 into tens and ones ( $20 + 5$ ), while option C breaks 30 into three tens. Either answer demonstrates understanding of how numbers can be composed in multiple ways.

2. **27 stickers**  
 $15 + 12 = 27$  (students may count on, use tens and ones, or draw a picture).
3. **True**  
Both sides equal 60, showing that sums can be composed in different ways.
4. **15**  
 $35 + 15 = 50$  (students use inverse operations or count up from 35 to 50).
5. **50 beads**  
 $28 + 22 = 50$  (students may use the strategy of making a multiple of ten:  $28 + 2 = 30$ , then  $30 + 20 = 50$ ).
6. **Answers vary. Examples:  $10 + 15 + 15 = 40$ ;  $20 + 10 + 10 = 40$ ;  $5 + 15 + 20 = 40$**   
Any three addends that sum to 40 show understanding that a sum can be composed in multiple ways.