

Addition and Subtraction within 100

Time: 15 min. 6 questions.

Instructions

Answer each question. You may draw a picture, use objects, or write numbers to show your thinking. Do your best on every question.

Questions

- What is $24 + 13$?
A) 35
B) 36
C) 37
D) 38
([Details](#))
- Maya has 42 stickers. She gives away 15 stickers. How many stickers does Maya have left? Show your work or explain how you know.
([Details](#))
- True or false: $5 + 6 + 4 = 4 + 5 + 6$
([Outcome](#))
- Fill in the missing number: $30 + \underline{\quad} = 50$
([Details](#))
- Which strategy could help you add $18 + 12$?
A) Count all the way from 1
B) Make a group of 10 and add the rest
C) Use a subtraction fact
D) Count backwards
([Details](#))
- A rope is 35 centimetres long. Another rope is 28 centimetres long. What is the difference in length between the two ropes?
([Details](#))

Curriculum coverage

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

Answer key

1. **C) 37.** Adding $24 + 13$ by making tens ($20 + 10 = 30$, then $4 + 3 = 7$, then $30 + 7 = 37$) shows the strategy of composing multiples of ten.
2. **27 stickers.** Subtracting 15 from 42 (either by counting up from 15 to 42, or by taking away 15 from 42) solves a subtraction problem involving a measurable or countable quantity.
3. **True.** The order in which numbers are added does not change the sum, which demonstrates the associative property of addition.
4. **20.** Adding $30 + 20 = 50$ shows understanding of composing 100 as multiples of 10, and finding a missing addend uses inverse operations.
5. **B) Make a group of 10 and add the rest.** This strategy uses making multiples of ten, which is a key strategy for adding two-digit numbers.
6. **7 centimetres.** Subtracting 28 from 35 (or finding the difference between 35 and 28) solves a problem using subtraction of measurable lengths.