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Word Problems - Year 2

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JOIN AND SEPARATE STORIES



JOIN

A quantity grows.



37

Start + Change = Result

$$23 + 14 = 37$$



How many now?



How many were added?



How many at the start?

SEPARATE

A quantity gets smaller.



Start - Change = Result

$$52 - 18 = 34$$



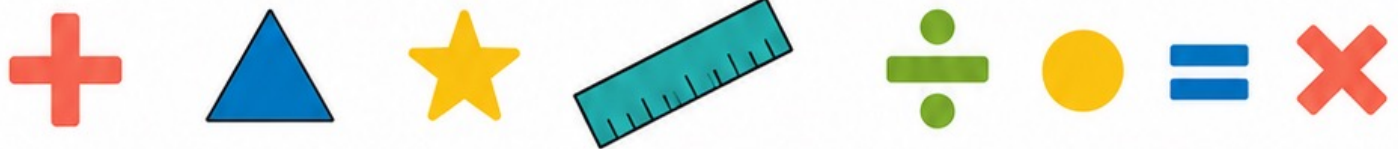
How many remain?



How many were taken away?



How many at the start?



COMPARE AND PART-PART-WHOLE

COMPARE

Two amounts are compared.

Larger - Smaller = Difference

$$43 - 27 = 16$$

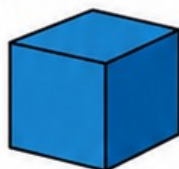
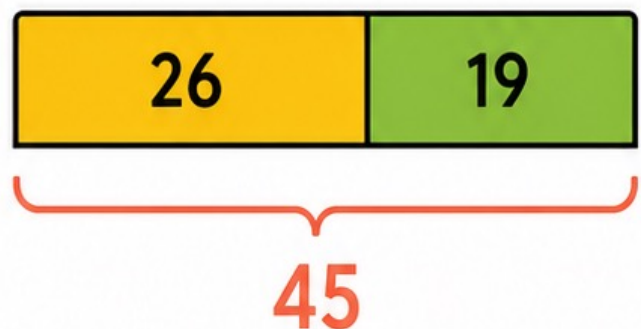


PART-PART-WHOLE

Two parts make one whole.

Part + Part = Whole

$$26 + 19 = 45$$



READ • PLAN • SOLVE • CHECK

1

READ

Underline the question.
Circle the numbers.



2

PLAN

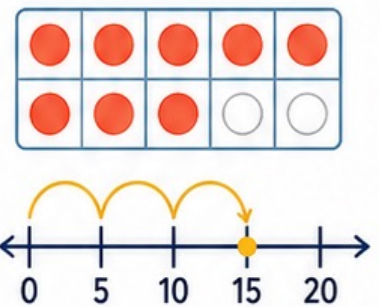
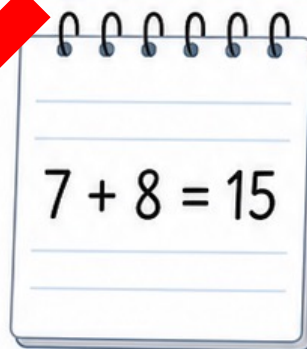
Decide the problem structure. Choose an operation.



3

SOLVE

Write the number sentence. Use a strategy.



4

CHECK

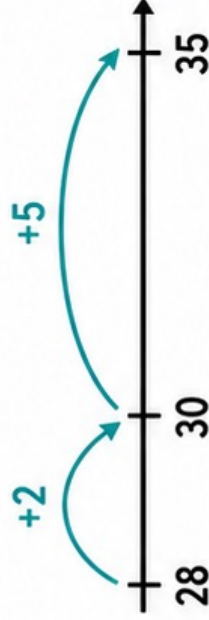
Does the answer fit the story?
Explain it in words.



WORD PROBLEM STRATEGY TOOLKIT

1 Bridge to ten

$$28 + 7 = 28 + 2 + 5 = 35$$



2 Doubles and near doubles

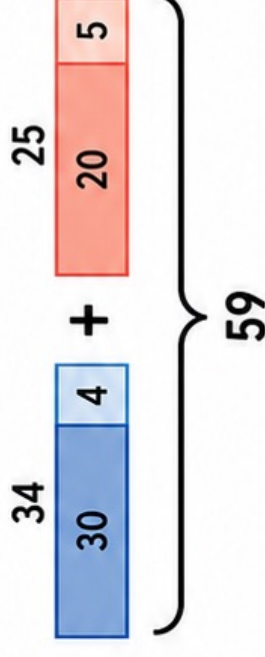
$$19 + 20 = 20 + 20 - 1 = 39$$



3

Partition

$$34 + 25 = 30 + 20 + 4 + 5 = 59$$



4

Jump

$$57 - 23: \text{jump } -20, \text{ then } -3 = 34$$



3

Reverse

$$42 - 18 = 24 \text{ because } 18 + 24 = 42$$



SORT THE STORY PROBLEMS - CARDS A

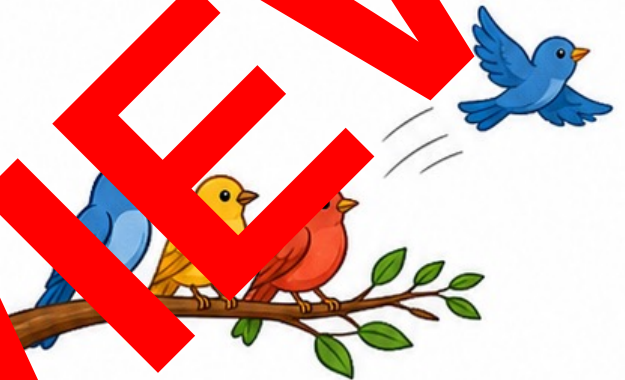
1

Nina had 24 stickers. Her aunt gave her 13 more. How many now?



2

There were 46 birds. 18 flew away. How many remain?



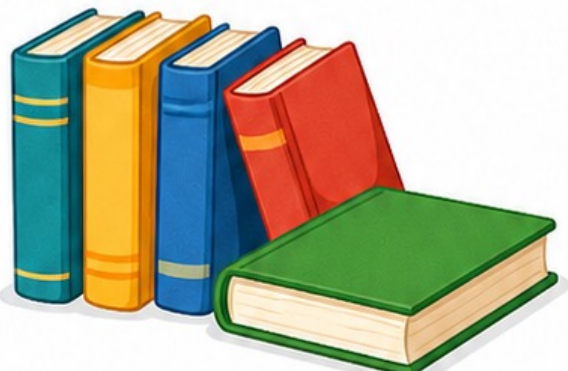
3

Kai has 51 marbles. Zoe has 29 more. How many does Zoe have?



4

There are 52 books. 27 are stories. The rest are facts. How many fact books?



SORT THE STORY PROBLEMS - CARDS B

5

A tray held some muffins. 16 were eaten and 21 remain. How many at the start?



6

Mila had 28 beads. Omar gave her some more. Now she has 43. How many were added?



7

Noah has 32 cards. Isla has 15 fewer. How many does Isla have?



8

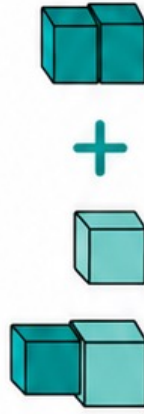
Two teams scored 26 and 19 points. How many points altogether?



SORT THE STORY PROBLEMS

Place each card under the problem structure that matches the story.

JOIN



SEPARATE



COMPARE



PART-PART-WHOLE



SORT THE STORY PROBLEMS

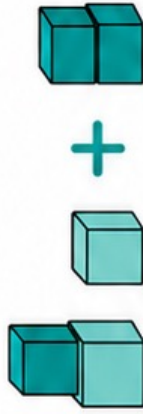
ANSWER KEY

Place each card under the problem structure that matches the story.

JOIN



1, 6



SEPARATE



2, 5



COMPARE



3, 7



PART-PART-WHOLE



4, 8





BUILD AND SOLVE - ADDITION MAT



Build each part with counters. Record the numbers. Find the whole.

PART 1

PART 2



WHOLE

Number sentence: _____

Strategy: _____





BUILD AND SOLVE - SUBTRACTION MAT



Build the whole. Remove the known part. Find the missing part.

WHOLE

KNOWN PART

MISSING PART

Number sentence: _____

Strategy: _____

SOLVE AND MOVE - PROBLEM CARDS

1

Luca had 18 toy cars.
He received 14 more.
How many now?



2

There were 43 fruit cups.
17 were used.
How many remain?



3

Ava has 29 shells.
Ben has 8 more.
How many does Ben have?



4

There are 55 children.
24 wear hats.
How many do not?



5

Some birds sat on a fence.
16 flew away and 27 stayed.
How many were there at first?



6

Taj had 36 cards.
He got some more and
now has 52.
How many were added?



7

Two boxes hold 28
and 35 pencils.
How many altogether?



8

A class raised \$50
and spent \$22.
How much remained?





SOLVE AND MOVE - RECORDING SHEET



Name: _____

Date: _____

Card	Number sentence	Working	Answer
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			

SOLVE AND MOVE - ANSWER KEY

1.

$$18 + 14 = 32$$



2.

$$43 - 17 = 26$$



3.

$$29 + 8 = 37$$



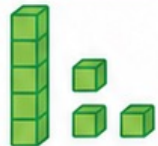
4.

$$55 - 24 = 31$$



5.

$$16 + 27 = 43$$



6.

$$36 + 16 = 52$$



7.

$$28 + 35 = 63$$



8.

$$\$50 - \$22 = \$28$$



STORY AND SENTENCE MATCH - CARDS A

1

Rani has 17 crayons.
She gets 15 more.
How many now?



1

$$17 + 15 = 32$$



2

There are 48 balloons.
19 pop.
How many remain?



2

$$48 - 19 = 29$$



3

A basket holds 41 apples.
26 are red.
How many are green?



3

$$41 - 26 = 15$$



4

Eli has 22 blocks.
Mia has 7 more.
How many does Mia have?



4

$$22 + 7 = 29$$



STORY AND SENTENCE MATCH - CARDS B

5

Some fish were in a tank. 13 were moved and 24 stayed. How many at first?



5

$$13 + 24 = 7$$



6

Jay had 31 cards. He received some and now has 46. How many received?



6

$$31 + 15 = 46$$



7

Two jars hold 18 and 27 buttons. How many together?



7

$$18 + 27 = 45$$



8

Sana has \$50. She spends \$28. How much remains?



8

$$\$50 - \$28 = \$22$$



STORY AND SENTENCE MATCH - ANSWER KEY

1 $17 + 15 = 32$



2 $48 - 19 = 29$



3 $41 - 26 = 15$



4 $22 + 7 = 29$



5 $18 + 24 = 42$



6 $31 + 15 = 46$



7 $18 + 27 = 45$



8 $\$50 - \$28 = \$22$



JOIN STORIES - PAGE 1

Name: _____

Date: _____

For each story, write a number sentence, show your strategy, and answer in a sentence.

- ① Ruby collected 18 leaves. She found 16 more.
How many leaves does she have now?



Number sentence: _____

Show your strategy:

Answer in a sentence: _____

- ② A bus had 27 passengers. 15 more got on.
How many passengers are on the bus now?



Number sentence: _____

Show your strategy:

Answer in a sentence: _____

- ③ Finn had 32 cards. His friend gave him 19 more.
How many cards does Finn have now?

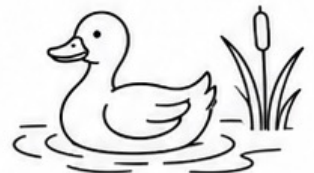


Number sentence: _____

Show your strategy:

Answer in a sentence: _____

- ④ There were some ducks on a pond. 14 ducks joined them
and now there are 39. How many ducks were there at the start?



Number sentence: _____

Show your strategy:

Answer in a sentence: _____

JOIN STORIES - PAGE 1

Name: **ANSWERS**

Date: _____

For each story, write a number sentence, show your strategy, and answer in a sentence.

- 1 Ruby collected 18 leaves. She found 16 more.
How many leaves does she have now?



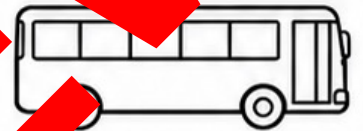
Number sentence: $18 + 16 = 34$

Show your strategy:

34 leaves.

Answer in a sentence: 34 leaves.

- 2 A bus had 27 passengers. 15 more got on.
How many passengers are on the bus now?



Number sentence: $27 + 15 = 42$

Show your strategy:

42 passengers.

Answer in a sentence: 42 passengers.

- 3 Finn had 32 cards. His friend gave him 19 more.
How many cards does Finn have now?



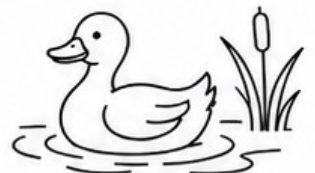
Number sentence: $32 + 19 = 51$

Show your strategy:

51 cards.

Answer in a sentence: 51 cards.

- 4 There were some ducks on a pond. 14 ducks joined them
and now there are 39. How many ducks were there at the start?



Number sentence: $25 + 14 = 39$

Show your strategy:

25 ducks.

Answer in a sentence: 25 ducks.

SEPARATE STORIES - PAGE 2

Name: _____

Date: _____

For each story, write a number sentence, show your strategy, and answer in a sentence.

- 1** There were 53 pencils. 21 were used. How many pencils remain?

Number sentence: _____

Show your strategy:

Answer in a sentence: _____.



- 2** Maya had 46 shells. She gave away 18. How many shells remain?

Number sentence: _____

Show your strategy:

Answer in a sentence: _____.



- 3** Some apples were in a basket. 17 were sold and 29 remain.
How many apples were there to start?

Number sentence: _____

Show your strategy:

Answer in a sentence: _____.



- 4** Owen had 62 stickers. He shared some and had 38 left.
How many stickers did he share?

Number sentence: _____

Show your strategy:

Answer in a sentence: _____.



SEPARATE STORIES - PAGE 2

Name: ANSWERS

Date: _____

For each story, write a number sentence, show your strategy, and answer in a sentence.

- 1 There were 53 pencils. 21 were used. How many pencils remain?

Number sentence: $53 - 21 = 32$

Show your strategy:

$53 - 21 = 32$; 32 pencils.

Answer in a sentence: 32 pencils.



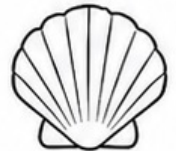
- 2 Maya had 46 shells. She gave away 18. How many shells remain?

Number sentence: $46 - 18 = 28$

Show your strategy:

$46 - 18 = 28$; 28 shells.

Answer in a sentence: 28 shells.



- 3 Some apples were in a basket. 17 were sold and 29 remain. How many apples were there to start?

Number sentence: $17 + 29 = 46$

Show your strategy:

$17 + 29 = 46$; 46 apples.

Answer in a sentence: 46 apples.



- 4 Owen had 62 stickers. He shared some and had 38 left. How many stickers did he share?

Number sentence: $62 - 38 = 24$

Show your strategy:

$62 - 38 = 24$; 24 stickers.

Answer in a sentence: 24 stickers.





COMPARE STORIES - PAGE 1



Name: _____

Date: _____

Draw or write a model, choose a number sentence, and solve.

- 1 Mason has 24 counters. Leila has 13 more than Mason.
How many counters does Leila have?



Number sentence: _____

Answer: _____

- 2 Priya has 45 beads. Noah has 17 fewer than Priya.
How many beads does Noah have?



Number sentence: _____

Answer: _____

- 3 Ella has 36 stamps. She has 9 more than Sam.
How many stamps does Sam have?



Number sentence: _____

Answer: _____

- 4 Max has 18 cards and Isla has 42 cards. What is the difference?



Number sentence: _____

Answer: _____



COMPARE STORIES - PAGE 1



Name: **ANSWERS**

Date: _____

Draw or write a model, choose a number sentence, and solve.

- ① Mason has 24 counters. Leila has 13 more than Mason.
How many counters does Leila have?



$$24 + 13 = 37; 37 \text{ counters.}$$

Number sentence: _____

Answer: **37 counters.**

- ② Priya has 45 beads. Noah has 17 fewer than Priya.
How many beads does Noah have?



$$45 - 17 = 28; 28 \text{ beads.}$$

Number sentence: _____

Answer: **28 beads.**

- ③ Ella has 36 stamps. She has 9 more than Sam.
How many stamps does Sam have?



$$36 - 9 = 27; 27 \text{ stamps.}$$

Number sentence: _____

Answer: **27 stamps.**

- ④ Max has 28 cards and Isla has 42 cards. What is the difference?



$$42 - 28 = 14; \text{ difference } 14.$$

Number sentence: _____

Answer: **14.**

PART-PART-WHOLE - PAGE 2

Name: _____

Date: _____



Draw or write a model, choose a number sentence, and solve.

- ① There are 58 counters. 23 are red and the rest are blue.
How many are blue?

Number sentence:

Answer:

- ② One part is 26 and the other part is 17.
What is the whole?

Number sentence:

Answer:

- ③ The whole is 64. One part is 19.
What is the other part?

Number sentence:

Answer:

- ④ Two teams scored 38 and 25 points.
How many points did they score altogether?

Number sentence:

Answer:

PART-PART-WHOLE - PAGE 2

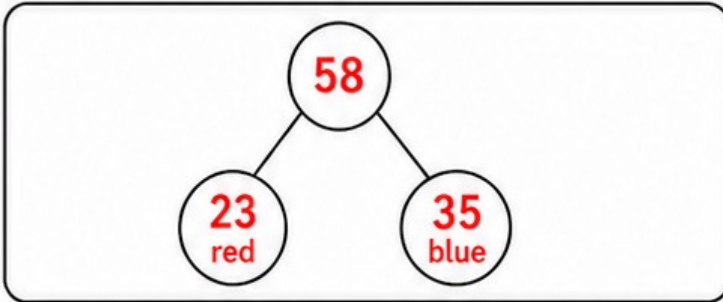
Name: ANSWERS

Date: _____



Draw or write a model, choose a number sentence, and solve.

- 1 There are 58 counters. 23 are red and the rest are blue.
How many are blue?

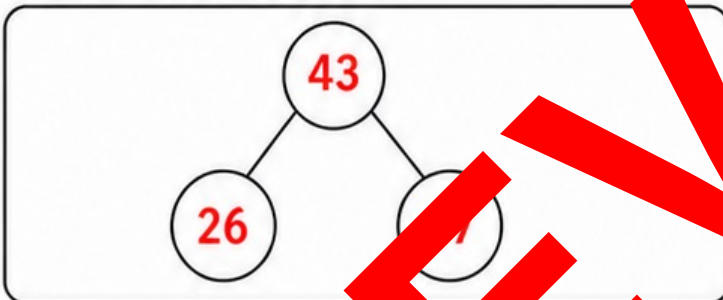


Number sentence:

$$58 - 23 = 35$$

Answer: 35

- 2 One part is 26 and the other part is 17.
What is the whole?

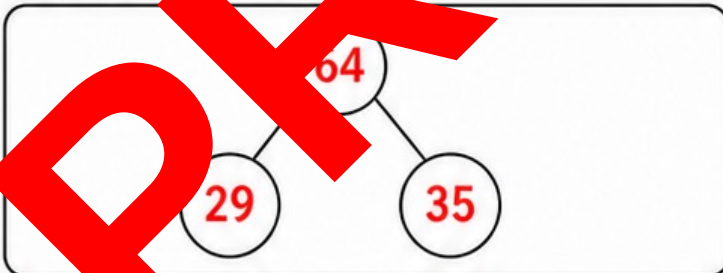


Number sentence:

$$26 + 17 = 43; \text{ whole } 43.$$

Answer: 43.

- 3 The whole is 64. One part is 29.
What is the other part?

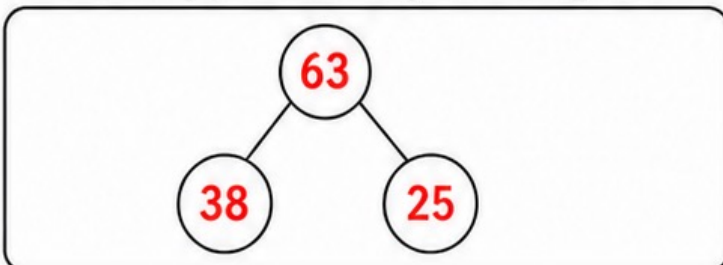


Number sentence:

$$64 - 29 = 35; \text{ other part } 35.$$

Answer: 35.

- 4 Two teams scored 38 and 25 points.
How many points did they score altogether?



Number sentence:

$$38 + 25 = 63; 63 \text{ points.}$$

Answer: 63 points.



UNKNOWN NUMBER CLUES

2

Name: _____

Date: _____

Solve each number sentence. Circle whether the missing number is the START, CHANGE, or RESULT.

① $? + 18 = 47$	Working: 	START CHANGE RESULT
② $36 + ? = 52$	Working: 	START CHANGE RESULT
③ $? - 15 = 29$	Working: 	START CHANGE RESULT
④ $61 - ? = 38$	Working: 	START CHANGE RESULT
⑤ $24 + 17 = ?$	Working: 	START CHANGE RESULT
⑥ $50 - 26 = ?$	Working: 	START CHANGE RESULT



UNKNOWN NUMBER CLUES

2

Name: **ANSWERS**

Date: _____

Solve each number sentence. Circle whether the missing number is the START, CHANGE, or RESULT.

① $? + 18 = 47$	Working: 29	☒ START ☐ CHANGE ☐ RESULT
② $36 + ? = 52$	Working: 16	☐ START ☒ CHANGE ☐ RESULT
③ $? - 15 = 29$	Working: 44	☒ START ☐ CHANGE ☐ RESULT
④ $61 - ? = 38$	Working: 23	☐ START ☒ CHANGE ☐ RESULT
⑤ $24 + 17 = ?$	Working: 41	☐ START ☐ CHANGE ☒ RESULT
⑥ $50 - 26 = ?$	Working: 24	☐ START ☐ CHANGE ☒ RESULT

CHOOSE A STRATEGY



Name: _____

Date: _____

Read each story. Choose a helpful strategy, show your working, and solve.

bridge to ten • doubles/near doubles • partition • jump • inverse

- 1** Mia had 28 beads and found 7 more. How many now?

Strategy: _____

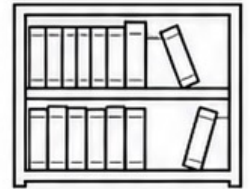
Answer: _____



- 2** Two shelves hold 19 and 20 books. How many altogether?

Strategy: _____

Answer: _____



- 3** A class collected 34 cans, then 25 more. How many altogether?

Strategy: _____

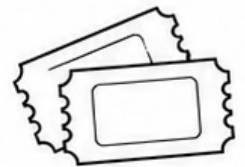
Answer: _____



- 4** There were 57 tickets. 23 were used. How many remain?

Strategy: _____

Answer: _____



- 5** A shop had 42 balls. 18 were sold. How many remain?

Strategy: _____

Answer: _____



CHOOSE A STRATEGY



Name: ANSWERS

Date: _____

Read each story. Choose a helpful strategy, show your working, and solve.

bridge to ten • doubles/near doubles • partition • jump • inverse

- 1** Mia had 28 beads and found 7 more. How many now?

Strategy: bridge to ten

$$28 + 7 = 35$$

Answer: 35 beads.

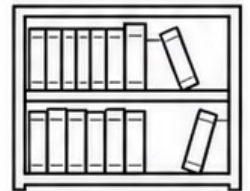


- 2** Two shelves hold 19 and 20 books. How many altogether?

Strategy: near doubles

$$19 + 20 = 39$$

Answer: 39 books.



- 3** A class collected 34 cans, then 25 more. How many altogether?

Strategy: partition

$$34 + 25 = 59$$

Answer: 59 cans.

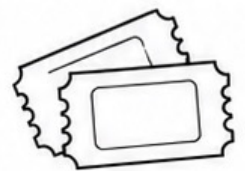


- 4** There were 57 tickets. 23 were used. How many remain?

Strategy: jump

$$57 - 23 = 34$$

Answer: 34 tickets.



- 5** A shop had 42 balls. 18 were sold. How many remain?

Strategy: inverse

$$42 - 18 = 24$$

Answer: 24 balls.



CLASS SHOP WORD PROBLEMS

Name: _____

Date: _____

Write a number sentence, show your strategy, and include the dollar sign in your answer.

- 1** The class has \$50. It spends \$27 on art paper. How much money is left?

Number sentence: _____

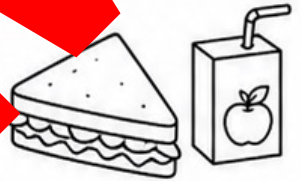
Answer: _____



- 2** A sandwich costs \$12 and a juice costs \$5. What is the total cost?

Number sentence: _____

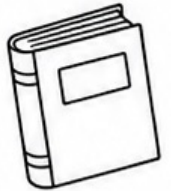
Answer: _____



- 3** Leo has \$40. He buys a book for \$18. How much change does he receive?

Number sentence: _____

Answer: _____



- 4** Two teams raised \$15 and \$19. How much do they raise altogether?

Number sentence: _____

Answer: _____



- 5** The target is \$60. The class has raised \$38. How much more is needed?

Number sentence: _____

Answer: _____



CLASS SHOP WORD PROBLEMS

Name: _____ **ANSWERS** _____

Date: _____

Write a number sentence, show your strategy, and include the dollar sign in your answer.

- 1** The class has \$50. It spends \$27 on art paper. How much money is left?

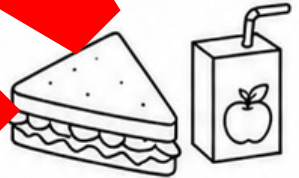
Number sentence: $\$50 - \$27 = \$23$



Answer: $\$23$

- 2** A sandwich costs \$12 and a juice costs \$5. What is the total cost?

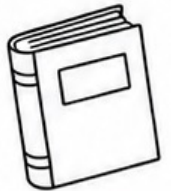
Number sentence: $\$12 + \$5 = \$17$



Answer: $\$17$

- 3** Leo has \$40. He buys a book for \$18. How much change does he receive?

Number sentence: $\$40 - \$18 = \$22$



Answer: $\$22$

- 4** Two teams raise \$26 and \$19. How much do they raise altogether?

Number sentence: $\$26 + \$19 = \$45$



Answer: $\$45$

- 5** The target is \$60. The class has raised \$38. How much more is needed?

Number sentence: $\$60 - \$38 = \$22$



Answer: $\$22$

COMMUNITY GARDEN WORD PROBLEM CHALLENGE - PAGE 1

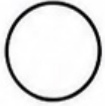


Name: _____

Date: _____

1

The garden club planted 24 seedlings on Monday and 17 on Tuesday. Should you add or subtract?



ADD



SUBTRACT



2

Write the number sentence and find the total seedlings.

Number sentence: _____

Working: _____

Answer: _____



3

The club had 63 plant labels. 15 were used. How many remain?

Number sentence: _____

Working: _____

Answer: _____



4

Bed A has 36 flowers. Bed B has 11 fewer. How many flowers are in Bed B?

Model:

Number sentence: _____

Answer: _____



COMMUNITY GARDEN WORD PROBLEM CHALLENGE - PAGE 1

Name: **ANSWERS**

Date: _____



- 1 The garden club planted 24 seedlings on Monday and 17 on Tuesday. Should you add or subtract?

☒ ADD

☐ SUBTRACT



- 2 Write the number sentence and find the total seedlings.

Number sentence: $24 + 17 = 41$

Working: $24 + 17 = 41$

Answer: 41 seedlings.



- 3 The club had 63 plant labels. 28 were used. How many remain?

Number sentence: $63 - 28 = 35$

Working: $63 - 28 = 35$

Answer: 35 labels.



- 4 Bed A has 36 flowers. Bed B has 11 fewer. How many flowers are in Bed B?

Model:

$$36 - 11 = 25$$

Number sentence: $36 - 11 = 25$

Answer: 25 flowers.



COMMUNITY GARDEN WORD PROBLEM CHALLENGE - PAGE 2

Name: _____

Date: _____

- 5** Some seed packets were ready. 18 were used and 27 remain.
How many were ready at the start?

$$? - 18 = 27$$

Working:

Answer: _____



- 6** The club collected 39 cans, then 24 more.
Choose a strategy and solve.

Strategy: _____

Working:

Answer: _____



- 7** The club has \$50 and spent \$32 on seeds.
How much remains?

Number sentence: _____

Working:

Answer: _____



- 8** There were 54 seed packets. 19 were donated.
Explain why subtraction fits this story, then solve.

Working:

Answer: _____



COMMUNITY GARDEN WORD PROBLEM CHALLENGE - PAGE 2

Name: **ANSWERS**

Date: _____

- 5** Some seed packets were ready. 18 were used and 27 remain.
How many were ready at the start?

$$? - 18 = 27$$

Working:

$$18 + 27 = 45$$

Answer: **45 packets.**



- 6** The club collected 39 cans, then 24 more.
Choose a strategy and solve.

Strategy: _____

Working:

$$39 + 24 = 63$$

Answer: **63 cans.**



- 7** The club has \$50 and spent \$32 on seeds.
How much remain?

Number sentence: _____

Working:

$$50 - 32 = \$18$$

Answer: **\$18.**



- 8** There were 54 seed packets. 19 were donated.
Explain why subtraction fits this story, then solve.

Subtraction fits because 19 packets were taken from a known total.

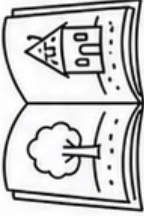
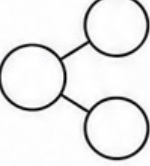
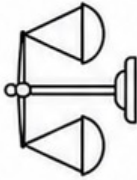
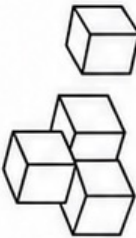
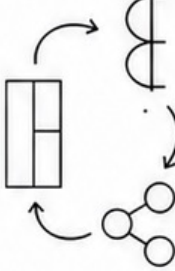
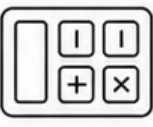
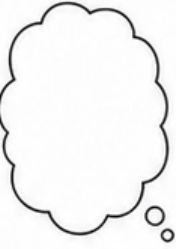
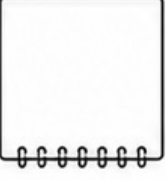
Working:

$$54 - 19 = 35$$

Answer: **35 packets.**



WORD PROBLEMS - YEAR 2 RUBRIC

EMERGING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
Understands the story 	Needs help to find information 	Finds some key information 	Explains number relationships 	Compares problem structures 
Represents the problem 	Model is missing 	Correct model 	Uses a clear flexible model 	Connects more than one model 
Calculates accurately 	Needs help to calculate 	Uses an accurate strategy 	Uses an efficient strategy 	Justifies an efficient strategy 
Communicates the solution 	Answer is unclear 	Answer fits the story 	Explains the reasoning 	Checks and explains fully 

Word Problems

Year 2



Learning Goal

We are learning to identify the structure of a word problem, represent it with a number sentence or part-part-whole model, choose a useful addition or subtraction strategy, and explain why our answer fits the story.



Success Criteria

I can:

- find the known and unknown information
- name the problem structure
- write a matching number sentence
- choose and show helpful strategies
- answer in sentences and check it makes sense



Read the Story

1. Read the whole story twice.
2. Underline the question.
3. Circle the numbers and the labels.
4. Ask: What is known? What is unknown?
5. Retell the story in your own words.



Four Word-Problem Structures

JOIN — a quantity grows.

SEPARATE — a quantity gets smaller.

COMPARE — two amounts are compared.

PART-PART-WHOLE — two parts make one whole.

The action words help, but the number relationships tell us the

structure.



Join Stories

A quantity grows when something is added.

Start + Change = Result

$$26 + 17 = 43$$

A join story may hide the start, the change or the result. Use the story to decide which number is missing.



Separate Stories

A quantity gets smaller when something is removed.

Start - Change = Result

$$52 - 18 = 34$$

A separate story may ask how many remain, how many were taken away, or how many were there to start.



Compare Stories

Compare two amounts by finding what is the same and what is different.

Larger - Smaller = Difference

$$46 - 34 = 12$$

Words such as more, fewer and difference tell us which quantities are being compared.



Part-Part-Whole Stories

Two parts combine to make one whole.

Part + Part = Whole

$$26 + 19 = 45$$

If the whole is known, subtract one part to find the other part.



Where Is the Unknown?

The missing number may be:

- the START — $? + 18 = 47$
- the CHANGE — $36 + ? = 52$
- the RESULT — $24 + 17 = ?$
- a PART — $64 - 29 = ?$
- the DIFFERENCE — $? - 28 = 35$



Represent the Situation

Use a drawing, counters, a bar model or a part-part-whole model.

Then write a number sentence that matches the relationship.

Keep the question mark where the unknown belongs. The unknown does not always come at the end.



Strategy Toolkit

Bridge to ten — split a number to reach the next ten.

Near doubles — use a nearby double you know.

Partition — split tens and ones.

Jump — add or subtract in friendly jumps.

Inverse — use addition to check subtraction, or subtraction to check addition.



Modelled Join Example

Mia had 26 counters. She collected 17 more. How many counters does she have now?

Structure: JOIN

Number sentence: $26 + 17 =$

Strategy: partition — $26 + 10 + 7 = 43$

Answer: Mia has 43 counters



Modelled Separate Example

There were 52 apples. Eighteen were used. How many remain?

Structure: SEPARATE

Number sentence: $52 - 18 = 34$

Strategy: jump back 10, then 8

Answer: 34 apples remain.



Modelled Compare Example

Noah has 34 cards. Isla has 12 more cards than Noah. How many cards does Isla have?

Structure: COMPARE

Number sentence: $34 + 12 =$

Strategy: partition 12 into 10 and 2

Answer: Isla has 46 cards



Modelled Part-Unknown Example

The whole is 67. One part is 29. What is the other part?

Structure: PART-PART-WHOLE

Number sentence: $67 - 29 = 38$

Check: $29 + 38 = 67$

Answer: The other part is 38.



Practical Money Example

The class has \$50 and spends \$27 on art paper. How much money remains?

Structure: SEPARATE

Number sentence: $\$50 - \$27 = \$23$

Check: $\$27 + \23

Answer: The class has \$23 left.



Guided Practice

1. A bus has 28 passengers. Fifteen more get on. How many now?
2. There are 61 pencils. Twenty-three are used. How many remain?
3. Zoe has 36 beads. Kai has fewer. How many does Kai have?

For each: name the operation, write the number sentence, solve and explain.



Check and Communicate

Check the operation: does it match the relationship?

Check the size: is the answer reasonable?

Check with the inverse operation when you can.

Use the correct unit in your answer.

Finish with a sentence that answers the question.

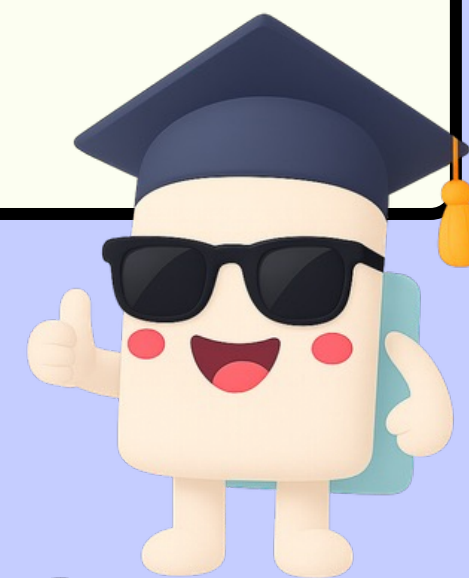
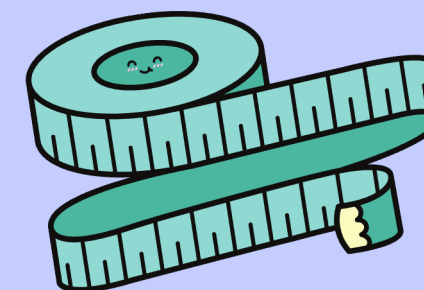
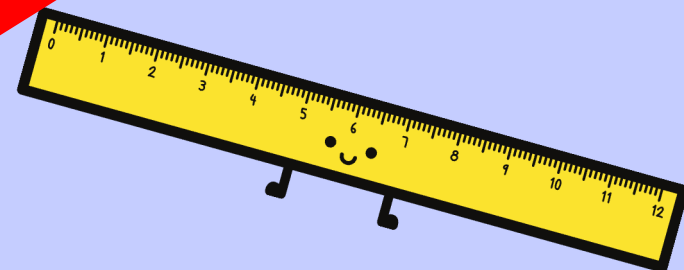
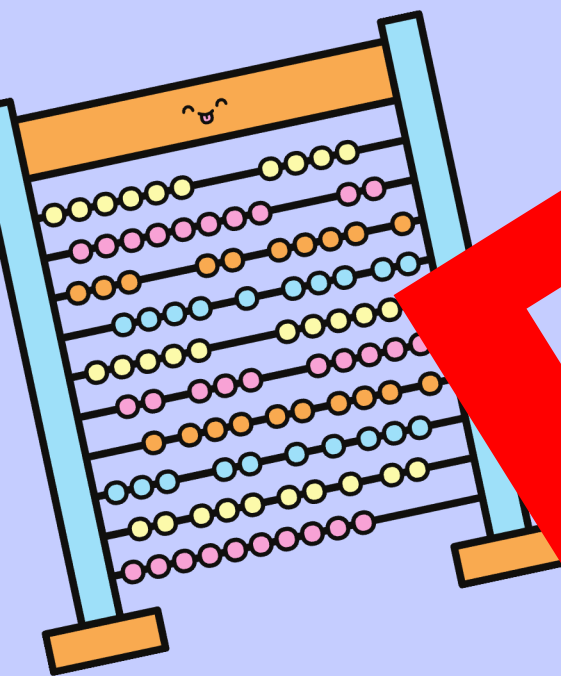
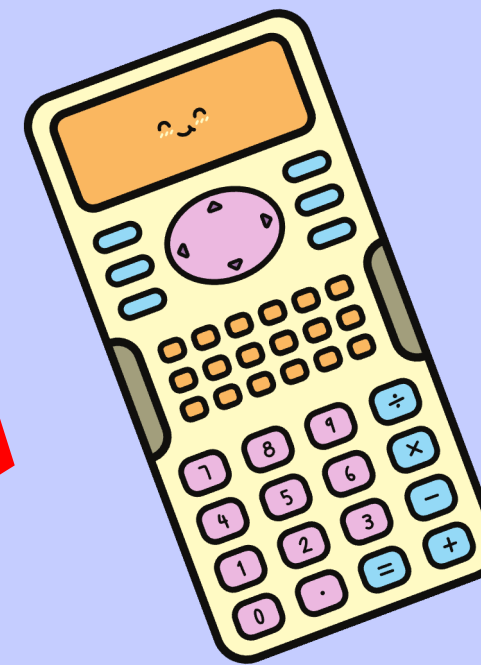
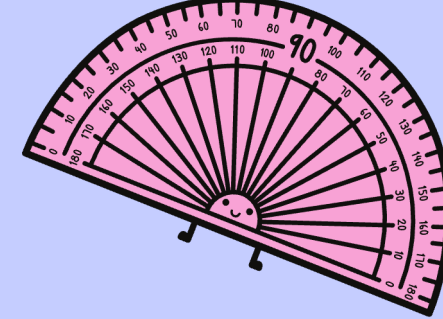
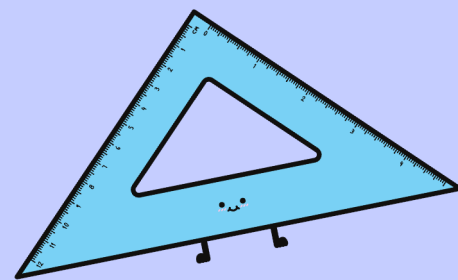
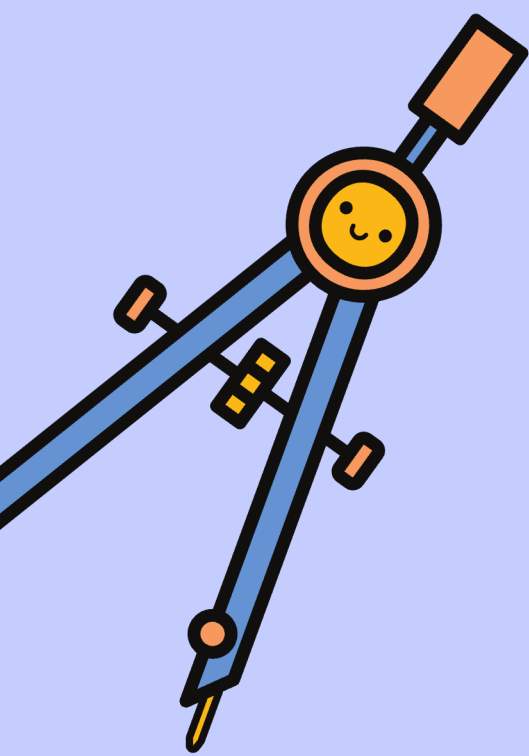


Exit Reflection

Choose one problem from today.

- What structure did you identify?
- Where was the unknown?
- Which strategy did you choose?
- How did you check the answer?
- What does your answer make sense in the story?





Well Done!

PREVIEW

Word Problems Quiz Year 2



Question 1 – Multiple Choice

Ravi has 23 shells. He finds 18 more. Which number sentence shows the story?

A. $23 - 18 = 5$

B. $23 + 18 = 41$

C. $41 + 18 =$

D. $41 - 17 =$



Answer 1

B. $23 + 18 = 41$

This is a join story. Ravi started with 23 shells and the quantity grows by 18. Ravi has 41 shells now.



Question 2 – True or False

A story that asks “How many are left?” can be modeled with subtraction.

TRUE or FALSE?

Be ready to explain the relationship in the story.



Answer 2

TRUE

When a known quantity is moved from a starting amount, subtraction can find how many remain.



Question 3 – Short Answer

There are 27 birds in a tree. Sixteen more birds arrive.

How many birds are there now?

Write a number sentence and solve.



Answer 3

$$27 + 16 = 43$$

This is a join story. There are 13 birds in a tree.



Question 4 – Multiple Choice

Priya has 36 counters. Noah has 14 fewer counters than Priya. How many counters does Noah have?

- A. 14
- B. 22
- C. 36
- D. 50



Answer 4

B. 22

$$36 - 14 = 22$$

Noah has 22 counters.



Question 5 – True or False

In every part-part-whole problem, the whole is the unknown.

TRUE or FALSE?

Think about whether the part can be missing.



Answer 5

FALSE

The unknown may be the variable or either component. A model helps show where the unknown belongs.



Question 6 – Short Answer

There are 58 counters altogether. Twenty three are red and the rest are blue.

How many counters are blue?

Show your number sentence



Answer 6

$$58 - 23 = 35$$

There are 35 blue counters



Question 7 – Multiple Choice

Which starting number makes this equation true?

$$? - 19 = 28$$

- A. 9
- B. 28
- C. 47
- D. 57



Answer 7

C. 47

Use the inverse: $28 + 19 = 47$

So $47 - 19 = 28$.



Question 8 – True or False

Near doubles can help solve $29 + 30$.

TRUE or FALSE?

Think about $29 + 30$



Answer 8

TRUE

$30 + 30 = 60$, so $29 + 30$ is a miss: 59.



Question 9 – Short Answer

The class has \$50 and spends \$34 on supplies.

How much money remains?

Write a number sentence and include the dollar sign.



Answer 9

$$\$50 - \$34 = \$16$$

The class has \$16 remaining



Question 10 – Multiple Choice

Forty-five children are travelling on two buses. Eighteen children are on the first bus. How many are on the second bus?

- A. 18
- B. 27
- C. 45
- D. 63



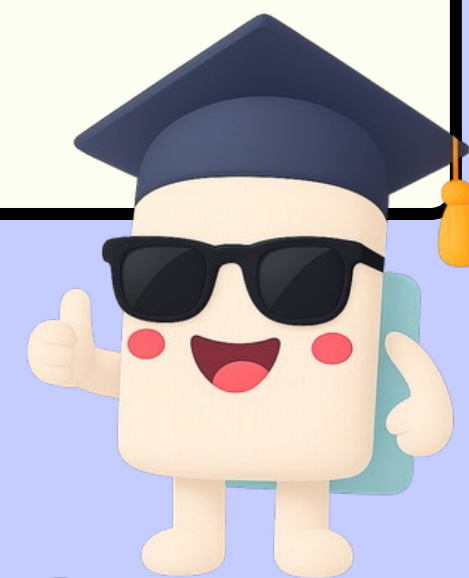
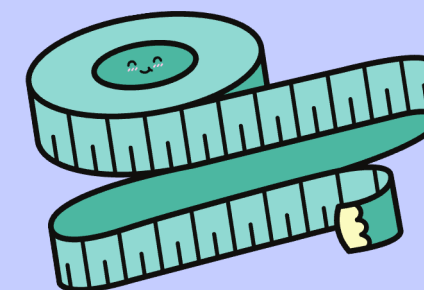
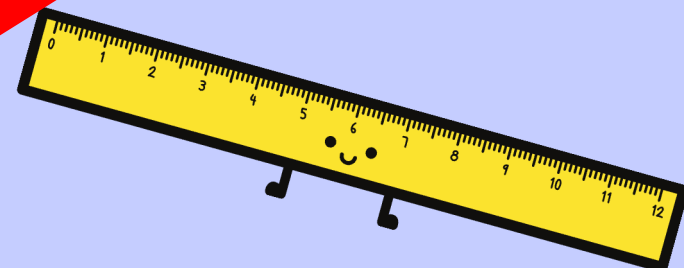
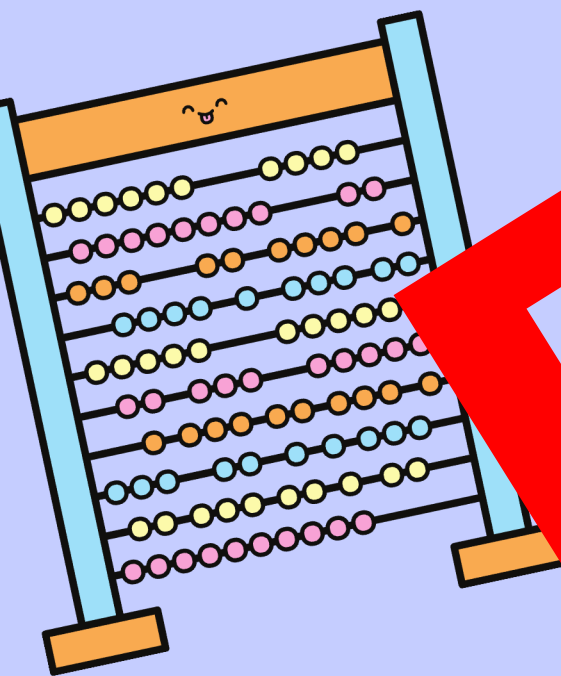
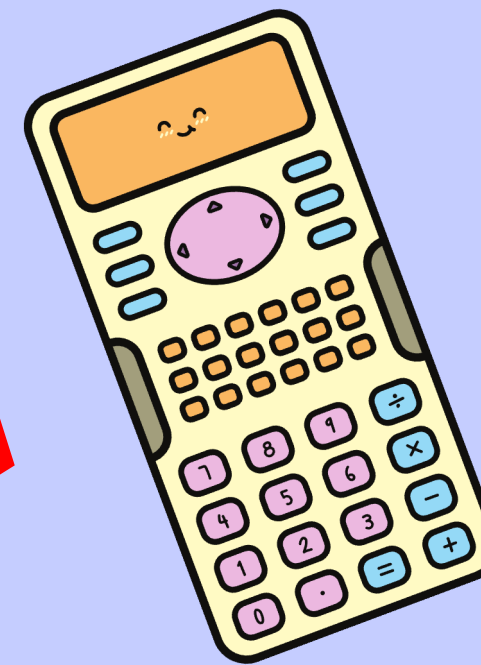
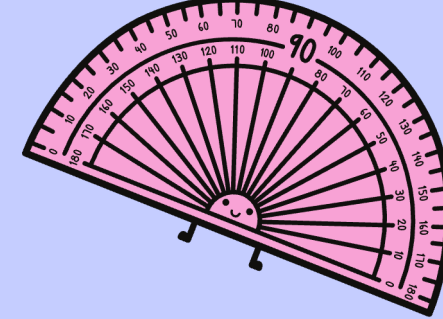
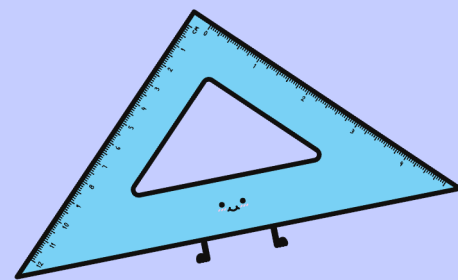
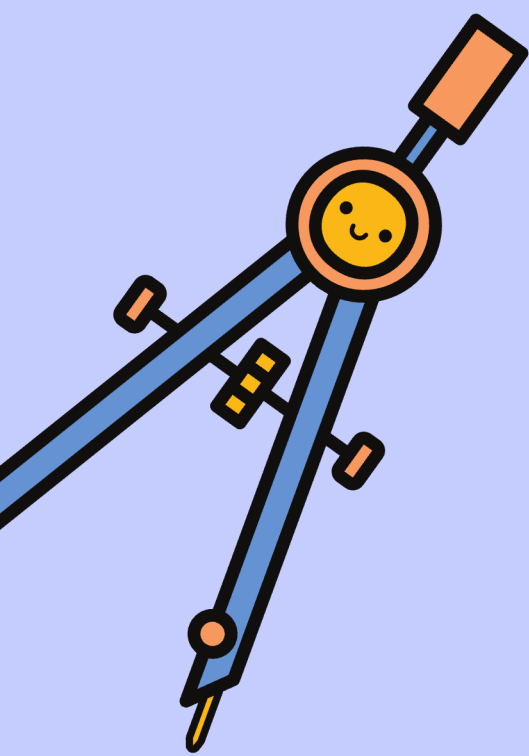
Answer 10

B. 27

$$45 - 18 = 27$$

There are 27 children on the second bus.





Well Done!

PREVIEW