

WORKSHEET 2: Bar Models & Missing Parts

A. Complete the Bar Models

1.

[_____ 18 _____][_____ ? _____] Total: 25

Missing part = _____

2.

[_____ 12 _____][_____ 9 _____] Total: _____

3.

[_____ WHOLE: 44 _____]

[_____ 20 _____][_____ ? _____]

Missing part = _____

B. Create Your Own Bar Model

Make up an addition fact and draw the matching bar model.

Addition: _____

Bar model drawing: _____

Subtraction fact: _____

C. Missing Number Equations

Solve using subtraction OR addition.

$$\square + 14 = 31 \rightarrow \square = \underline{\hspace{2cm}}$$

$$45 - \square = 18 \rightarrow \square = \underline{\hspace{2cm}}$$

$$\square - 19 = 7 \rightarrow \square = \underline{\hspace{2cm}}$$

$$28 = \square + 9 \rightarrow \square = \underline{\hspace{2cm}}$$

D. Problem Solving

Tom collected 63 shells. He gave 28 to Mia.

How many does he have left?

Number sentence: _____

Answer: _____

WORKSHEET 3: Inverse Operations Practice

A. Check Using Inverse

Solve, then check your answer using the opposite operation.

1. $17 + 8 = \underline{\hspace{2cm}}$

Check: $\underline{\hspace{2cm}} - 8 = 17$

2. $42 - 19 = \underline{\hspace{2cm}}$

Check: $\underline{\hspace{2cm}} + 19 = 42$

3. $36 + 12 = \underline{\hspace{2cm}}$

Check: $\underline{\hspace{2cm}} - 12 = 36$

4. $58 - 23 = \underline{\hspace{2cm}}$

Check: $\underline{\hspace{2cm}} + 23 = 58$

B. Complete the Patterns

Use opposite operations.

1. $9 + 11 = 20 \rightarrow 20 - 11 = \underline{\hspace{2cm}}$

2. $15 + 6 = 21 \rightarrow 21 - 15 = \underline{\hspace{2cm}}$

3. $34 - 16 = 18 \rightarrow 18 + 16 = \underline{\hspace{2cm}}$

4. $50 - 25 = 25 \rightarrow 25 + 25 = \underline{\hspace{2cm}}$

C. Word Problems

1. I think of a number.

When I add 15, the answer is 42.

What was my number?

$\square + 15 = 42 \rightarrow \square = \underline{\hspace{2cm}}$

2. A bus had some people on it.

27 people got off, leaving 15 people.

How many were on the bus at first?

$\square - 27 = 15 \rightarrow \square = \underline{\hspace{2cm}}$

3. A plant grew 14 cm. Now its height is 32 cm.

How tall was it before?

$\underline{\hspace{2cm}} + 14 = 32 \rightarrow \underline{\hspace{2cm}}$

D. Challenge Question

Write a fact family for 9, 13, 22.

WORKSHEET 4: Fact Family Sorting Cut & Paste

A. Cut Out the Number Sentences

(Teacher to format as boxes)

Fact Set 1: 5, 9, 14

- $5 + 9 = 14$
 - $14 - 5 = 9$
 - $9 + 5 = 14$
 - $14 - 9 = 5$
-

Fact Set 2: 11, 13, 24

- $11 + 13 = 24$
 - $13 + 11 = 24$
 - $24 - 11 = 13$
 - $24 - 13 = 11$
-

B. Glue Them into the Correct Fact Family Boxes

1. Fact Family for 5, 9, 14

2. Fact Family for 11, 13, 24

C. Write Your Own Fact Family

1. Choose your own 3 numbers:

_____, _____, _____

Write the 4 facts:

_____ + _____ = _____

_____ + _____ = _____

_____ - _____ = _____

_____ - _____ = _____

WORKSHEET 6: Mixed Problem Solving & Models

A. Bar Models With Unknowns

WHOLE: 63

/ \

PART: 38 PART: _____

WHOLE: _____

/ \

PART: 27 PART: 16

WHOLE: 91

/ \

PART: _____ PART: 44

B. Word Problems Using Inverse Thinking

1. Sam has 54 LEGO pieces. He used some. Now he has 29 left.

How many did he use?

Number sentence: _____

Answer: _____

2. A mystery number minus 18 equals 47.

What is the number?

$\square - 18 = 47 \rightarrow \square = \underline{\hspace{2cm}}$

C. Match the Inverse Pairs

Draw lines to match.

$32 + 14 = 46$



$46 - 14 = 32$

$58 - 27 = 31$



$31 + 27 = 58$

$19 + 25 = 44$



$44 - 25 = 19$

$71 - 29 = 42$



$42 + 29 = 71$

D. Create Your Own Inverse Story

Write a short story problem that uses addition and subtraction as opposites.

Example: "I had 20 apples. I gave away 6..."

Your story:

Number sentence: _____