

Ways to Model Word Problems

Name: _____

Solve problems 1–6. Show your work.

- 1** Tony has 37 building blocks. Then he buys more blocks. Now he has 51 blocks. How many blocks does Tony buy?

Tony buys _____ blocks.

- 2** There are some chairs in the art room. Mrs. Lopez brings in 16 more chairs. Now there are 42 chairs. How many chairs were in the room at the start?

There were _____ chairs in the room at the start.

- 3** Jen has some buttons. She gets 23 more buttons from her mom. Now she has 65 buttons. How many buttons did Jen have to begin with?

Jen had _____ buttons to begin with.

- 4** Colby packs 31 boxes in one day. He packs 12 boxes in the morning and some boxes after lunch. How many boxes does Colby pack after lunch?

Colby packs _____ boxes after lunch.

- 5** Ayanna reads 26 pages of her book at school. Later she reads more pages at home. Now she has read 54 pages. How many pages does Ayanna read at home?

Ayanna reads _____ pages at home.

- 6** The camp has some tents. Campers set up 42 more tents. Now the camp has 60 tents. How many tents did the camp have to begin with?

The camp had _____ tents to begin with.

Different Ways to Show Addition

Name: _____

Find the sums and missing addends.

1 $30 + 7 + 50 + 3 = \underline{90}$

2 $37 + 53 = \underline{\hspace{2cm}}$

3 $20 + 8 + 40 + 2 = \underline{\hspace{2cm}}$

4 $28 + 42 = \underline{\hspace{2cm}}$

5 $60 + 6 + 10 + 4 = \underline{\hspace{2cm}}$

6 $66 + 14 = \underline{\hspace{2cm}}$

7 $40 + 5 + 40 + 5 = \underline{\hspace{2cm}}$

8 $45 + \underline{\hspace{2cm}} = 90$

9 $30 + 9 + 20 + 1 = \underline{\hspace{2cm}}$

10 $\underline{\hspace{2cm}} + 21 = 60$

11 $20 + 4 + 60 + 6 = \underline{\hspace{2cm}}$

12 $24 + \underline{\hspace{2cm}} = 90$

13 $40 + 3 + 30 + 7 = \underline{\hspace{2cm}}$

14 $\underline{\hspace{2cm}} + 37 = 80$

15 How does the information in problem 9 help you solve problem 10?

Subtracting by Adding Up

Name: _____

Subtract.

1 $50 - 29 = ?$

$$\underline{29 + 20} = \underline{49}$$

$$\underline{49 + 1} = \underline{50}$$

$$\underline{20 + 1} = \underline{21}$$

$$50 - 29 = \underline{21}$$

2 $71 - 45 = ?$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$71 - 45 = \underline{\quad}$$

3 $80 - 41 = ?$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$80 - 41 = \underline{\quad}$$

4 $63 - 28 = ?$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$63 - 28 = \underline{\quad}$$

5 $43 - 28 = ?$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$43 - 28 = \underline{\quad}$$

6 $95 - 65 = ?$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$95 - 65 = \underline{\quad}$$

Subtracting by Adding Up *continued*

Name: _____

7 $65 - 39 = ?$

$$\begin{array}{r} \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \\ 65 - 39 = \underline{\quad} \end{array}$$

8 $47 - 15 = ?$

$$\begin{array}{r} \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \\ 47 - 15 = \underline{\quad} \end{array}$$

9 $75 - 28 = ?$

$$\begin{array}{r} \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \\ 75 - 28 = \underline{\quad} \end{array}$$

10 $54 - 12 = ?$

$$\begin{array}{r} \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \\ 54 - 12 = \underline{\quad} \end{array}$$

13 How did you decide what to add first? Then how did you get the answer?

Subtracting by Regrouping

Name: _____

Circle all the problems where you can regroup a ten to help subtract. Then solve the circled problems.

1
$$\begin{array}{r} 32 \\ - 16 \\ \hline 16 \end{array}$$

2
$$\begin{array}{r} 48 \\ - 15 \\ \hline \end{array}$$

3
$$\begin{array}{r} 57 \\ - 25 \\ \hline \end{array}$$

4
$$\begin{array}{r} 63 \\ - 39 \\ \hline \end{array}$$

5
$$\begin{array}{r} 76 \\ - 26 \\ \hline \end{array}$$

6
$$\begin{array}{r} 82 \\ - 37 \\ \hline \end{array}$$

7
$$\begin{array}{r} 38 \\ - 28 \\ \hline \end{array}$$

8
$$\begin{array}{r} 53 \\ - 44 \\ \hline \end{array}$$

9
$$\begin{array}{r} 42 \\ - 25 \\ \hline \end{array}$$

10
$$\begin{array}{r} 96 \\ - 40 \\ \hline \end{array}$$

11
$$\begin{array}{r} 92 \\ - 56 \\ \hline \end{array}$$

12
$$\begin{array}{r} 65 \\ - 23 \\ \hline \end{array}$$

13
$$\begin{array}{r} 86 \\ - 19 \\ \hline \end{array}$$

14
$$\begin{array}{r} 59 \\ - 33 \\ \hline \end{array}$$

15
$$\begin{array}{r} 77 \\ - 48 \\ \hline \end{array}$$

16
$$\begin{array}{r} 62 \\ - 27 \\ \hline \end{array}$$

17 How did you know which problems to circle?

18 Check one of your answers by solving it using a different strategy. Show your work.

Strategies to Find a Missing Addend

Name: _____

Solve.

1 $35 + \underline{10} = 45$

$35 + \underline{20} = 55$

$35 + \underline{25} = 60$

2 $24 + \underline{\quad\quad\quad} = 34$

$24 + \underline{\quad\quad\quad} = 64$

$24 + \underline{\quad\quad\quad} = 68$

3 $42 + \underline{\quad\quad\quad} = 52$

$42 + \underline{\quad\quad\quad} = 82$

$42 + \underline{\quad\quad\quad} = 87$

4 $51 + \underline{\quad\quad\quad} = 61$

$51 + \underline{\quad\quad\quad} = 71$

$51 + \underline{\quad\quad\quad} = 76$

5 $26 + \underline{\quad\quad\quad} = 36$

$26 + \underline{\quad\quad\quad} = 66$

$26 + \underline{\quad\quad\quad} = 69$

6 $58 + \underline{\quad\quad\quad} = 60$

$58 + \underline{\quad\quad\quad} = 70$

$58 + \underline{\quad\quad\quad} = 71$

7 $39 + \underline{\quad\quad\quad} = 40$

$39 + \underline{\quad\quad\quad} = 70$

$39 + \underline{\quad\quad\quad} = 75$

8 $27 + \underline{\quad\quad\quad} = 30$

$27 + \underline{\quad\quad\quad} = 60$

$27 + \underline{\quad\quad\quad} = 65$

9 $44 + \underline{\quad\quad\quad} = 54$

$44 + \underline{\quad\quad\quad} = 64$

$44 + \underline{\quad\quad\quad} = 67$

10 $69 + \underline{\quad\quad\quad} = 70$

$69 + \underline{\quad\quad\quad} = 90$

$69 + \underline{\quad\quad\quad} = 93$

Strategies to Find a Missing Addend *continued*

Name: _____

11 $33 + \underline{\hspace{2cm}} = 43$

$33 + \underline{\hspace{2cm}} = 73$

$33 + \underline{\hspace{2cm}} = 76$

12 $48 + \underline{\hspace{2cm}} = 50$

$48 + \underline{\hspace{2cm}} = 80$

$48 + \underline{\hspace{2cm}} = 85$

13 $26 + \underline{\hspace{2cm}} = 70$

$32 + \underline{\hspace{2cm}} = 61$

$49 + \underline{\hspace{2cm}} = 95$

14 $57 + \underline{\hspace{2cm}} = 83$

$34 + \underline{\hspace{2cm}} = 67$

$28 + \underline{\hspace{2cm}} = 53$

15 $62 + \underline{\hspace{2cm}} = 85$

$41 + \underline{\hspace{2cm}} = 96$

$53 + \underline{\hspace{2cm}} = 77$

16 $19 + \underline{\hspace{2cm}} = 75$

$43 + \underline{\hspace{2cm}} = 87$

$68 + \underline{\hspace{2cm}} = 99$

17 Explain how the strategy to solve problem 5 is different from the strategy used to solve problem 6.

18 Explain the strategy you used to solve the first part of problem 14.