

Name _____ Date _____

Use Tens and Ones

Julia's Strategy for $28 + 44$:

$$\begin{array}{r} 28 = 20 + 8 \\ + 44 = 40 + 4 \\ \hline 60 + 12 = 72 \end{array}$$

1. Solve each problem using Julia's strategy.

A. $41 =$
 $+ 36 =$

B. $33 =$
 $+ 57 =$

C. $57 =$
 $+ 26 =$

D. $38 =$
 $+ 67 =$

E. $79 =$
 $+ 26 =$

F. $84 =$
 $+ 19 =$

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Student Activity Book - Page 171

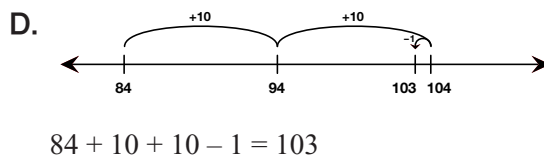
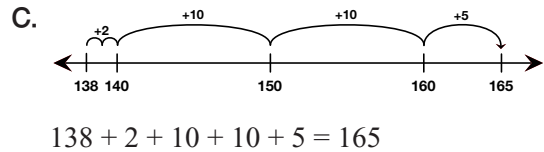
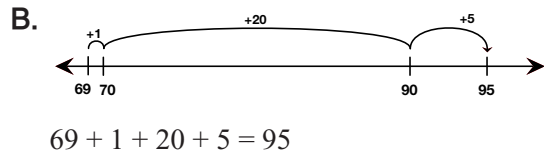
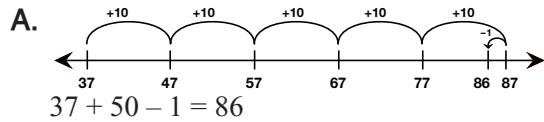
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Use Tens and Ones (SAB pp. 171–174)

Questions 1–5

- I. A. $41 = 40 + 1$
 $36 = 30 + 6$
 $70 + 7 = 77$
- B. $33 = 30 + 3$
 $57 = 50 + 7$
 $80 + 10 = 90$
- C. $57 = 50 + 7$
 $26 = 20 + 6$
 $70 + 13 = 83$
- D. $38 = 30 + 8$
 $67 = 60 + 7$
 $90 + 15 = 105$
- E. $79 = 70 + 9$
 $26 = 20 + 6$
 $90 + 15 = 105$
- F. $84 = 80 + 4$
 $19 = 10 + 9$
 $90 + 13 = 103$

2. Number line strategies will vary. One possible strategy is shown for each.



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Chris's Strategy for $28 + 44$:

Chris's Number Sentence: $44 + 30 - 2 = 72$

2. Solve each problem using Chris's strategy or another number line strategy.

A. $37 + 49$

Number Sentence: _____

B. $69 + 26$

Number Sentence: _____

C. $138 + 27$

Number Sentence: _____

D. $84 + 19$

Number Sentence: _____

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172 SAB • Grade 3 • Unit 6 • Lesson 1 500 Hats

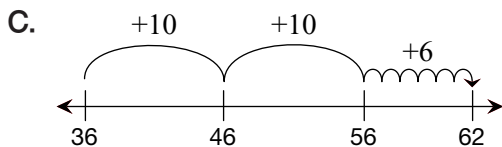
Student Activity Book - Page 172

3. Strategies will vary. One possible strategy given for each.

A. Using Julia's strategy.

$$\begin{array}{r} 47 = 40 + 7 \\ + 35 = 30 + 5 \\ \hline 70 + 12 = 82 \end{array}$$

B. Using mental math: Instead of $29 + 54$, think of $30 + 53 = 83$.



D.

$$\begin{array}{r} 136 = 100 + 30 + 6 \\ + 74 = \quad \quad 70 + 4 \\ \hline 100 + 100 + 10 = 210 \end{array}$$

E. Using mental math: Instead of $89 + 51$, think of $90 + 50 = 140$.

4. Responses will vary. Both Chris and Julia partitioned numbers into tens and ones. Chris used a number line and broke apart only one number. Julia broke both numbers into tens and ones.

5. Responses will vary.

Name _____ Date _____

✓ **Check-In: Questions 3-5**

3. Show how to solve each problem using Julia's strategy, a number line strategy, or another mental math strategy. Use each strategy at least once.

A. $\begin{array}{r} 47 \\ +35 \\ \hline \end{array}$

B. $\begin{array}{r} 29 \\ +54 \\ \hline \end{array}$

C. $36 + 26 =$

D. $136 + 74 =$

E. $89 + 51 =$

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Student Activity Book - Page 173

Name _____ Date _____

4. Chris and Julia each showed how they solved $28 + 32$. Compare their strategies.

Chris's strategy: Julia's strategy: $\begin{array}{r} 28 = 20 + 8 \\ + 32 = 30 + 2 \\ \hline 50 + 10 = 60 \end{array}$

How are they the same? How are they different?

5. Look at your solutions to the problems in Question 3. Which strategy do you like best? Why?

Use Tens and Ones
Check-In: Questions 3-5
Feedback Box

	Expectation	Check In	Comments
Use place value concepts to make connections among representations. [Q# 3 and 4]	E1		
Represent and solve addition problems using number lines. [Q# 3]	E2		
Add using mental math strategies. [Q# 3]	E3		
Add using expanded form. [Q# 3]	E4		

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174 SAB • Grade 3 • Unit 6 • Lesson 1 500 Hats

Student Activity Book - Page 174