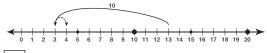
Student Activity Book

Using Subtraction Strategies (SAB pp. 65–72) Questions 1–21

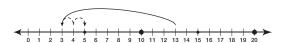
I. A.

		Subtract 10	Subtract 9	Subtract 8
	Number	Number sentence	Number sentence	Number sentence
	16	16 - 10 = 6	16 - 10 + 1 = 7	16 - 10 + 2 = 8
	13	13 - 10 = 3	13 - 10 + 1 = 4	13 - 10 + 2 = 5
Ī	17	17 - 10 = 7	17 - 10 + 1 = 8	17 - 10 + 2 = 9
	15	15 – 10 = 5	15 - 10 + 1 = 6	15 - 10 + 2 = 7

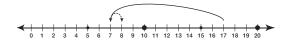
- **B.** The number in the ones place always stays the same.
- **C.** The answer for subtracting 9 is one more than the answer for subtracting 10.
- **D.** The answer for subtracting 8 is two more than the answer for subtracting 10.
- **E.** To subtract 10, the number in the ones place stays the same. To subtract 9, subtract ten first and then add one back because 9 is one less than 10. To subtract 8, subtract ten first and then add two back because 8 is two less than 10.
- **2.** Possible strategy: Hop back 10 to 3 and add 1 back 13 10 + 1 = 4

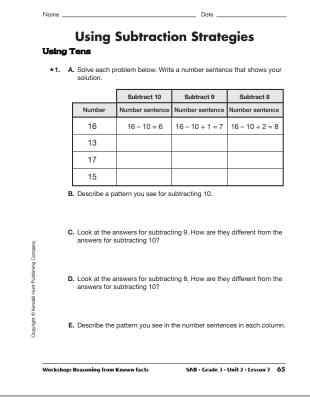


3. | 5

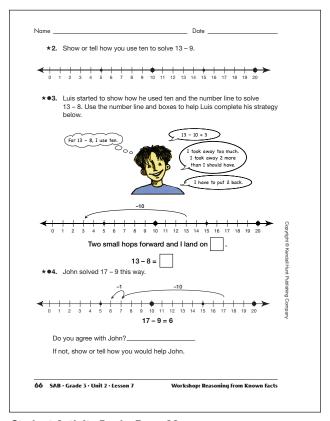


4. No; John hopped the wrong way and subtracted one too many. So 17 - 10 + 1 = 8.



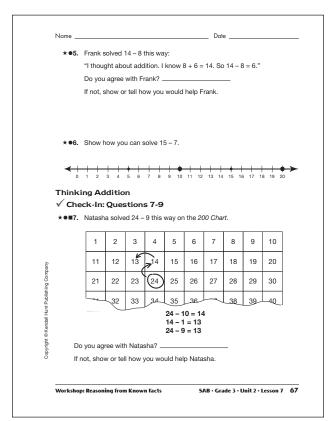


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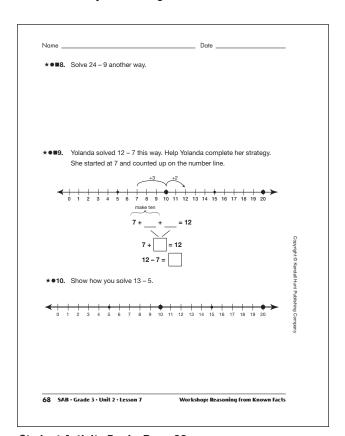


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Answer Key • Lesson 7: Workshop: Reasoning from Known Facts



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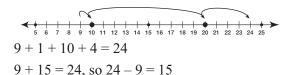
- **5.** Yes. Another strategy to check might be 8 + 2 + 4 = 14.
- **6.** Possible strategy: 7 + 7 + 1 = 15 so, 15 7 = 8



7. No, Natasha moved the wrong way. When 10 is subtracted, it is one too many.

$$24 - 10 + 1 = 15$$
.

8. Possible strategy:



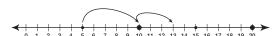
9.
$$7 + \underline{3} + \underline{2} = 12$$

 $7 + |5| = 12$

10. Possible strategy: 5 + 5 + 3 = 13

$$5 + 3 = 8$$

$$13 - 5 = 8$$



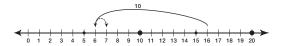
		Subtract 10	Subtract 9
	Number	Number sentence	Number sentenc
	22	22 – 10 = 12	22 – 10 + 1 = 13
	25	25 - 10 = 15	25 - 10 + 1 = 16
	33	33 - 10 = 23	33 - 10 + 1 = 24
	37	37 - 10 = 27	37 - 10 + 1 = 28

- **B.** The number in the ones place stays the same.
- **C.** The answer for subtracting 9 is one more than the answer for subtracting 10.

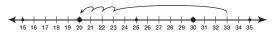
12.

	Subtract 20	Subtract 19
Number	Number sentence	Number sentenc
22	22 – 20 = 2	22 – 20 + 1 = 3
25	25 - 20 = 5	25 - 20 + 1 = 6
33	33 - 20 = 13	33 - 20 + 1 = 14
37	37 - 20 = 17	37 - 20 + 1 = 18

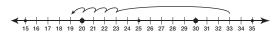
13.
$$16 - 10 + \boxed{1} = 7$$



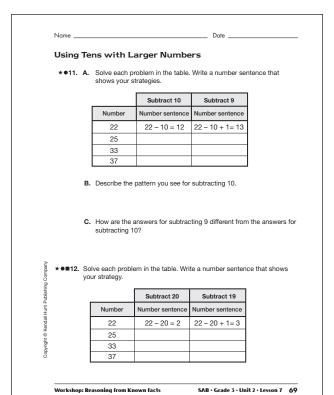
14. Possible strategy: 33 - 10 - 3 = 20



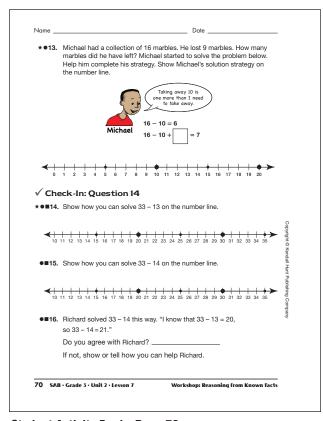
15. Possible strategy: 33 - 10 - 4 = 19



16. No, Richard needed to take away one more not add one more. Possible strategy: 33 - 13 = 20, so 33 - 13 - 1 = 19

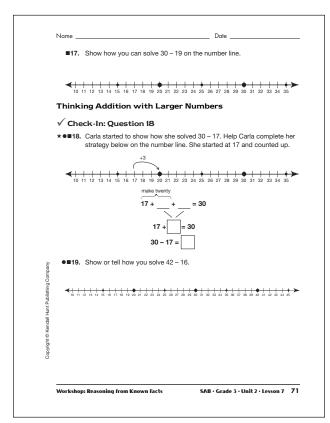


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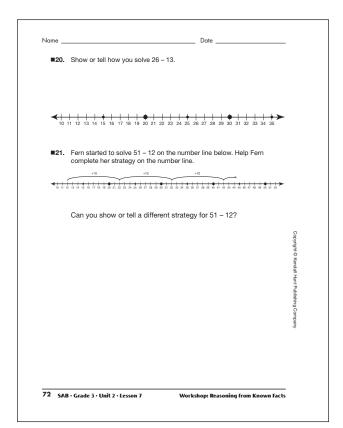


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Answer Key • Lesson 7: Workshop: Reasoning from Known Facts

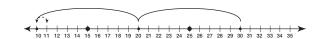


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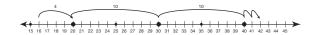
17.
$$30 - 10 - 10 + 1 = 11$$



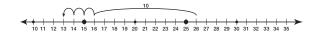
18.
$$17 + 3 + 10 = 30;$$

$$17 + \boxed{13} = 30;$$
 $30 - 17 = \boxed{13}$

19. Possible strategy: 16 + 4 + 10 + 10 + 2 = 42; 16 + 26 = 42



20. Possible strategy: 26 - 10 - 3 = 13



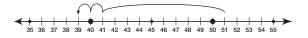
21. Extend Fern's number line hops with one big hop of ten to 52 and one small hop back to 51.

$$12 + 10 + 10 + 10 + 10 - 1 = 51$$

$$12 + 39 = 51$$

$$51 - 12 = 39$$
.

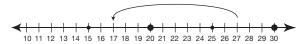
Another strategy: 51 - 10 - 2 = 39



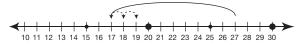
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Kim's and Suzanne's Marbles (SAB pp. 73–74) Questions 1–7

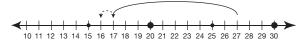
1.
$$27 - 10 = 17$$



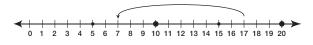
2.
$$27 - 10 + 2 = 19$$



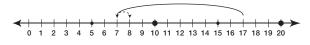
3.
$$27 - 10 - 1 = 16$$



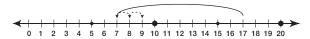
4.
$$17 - 10 = 7$$



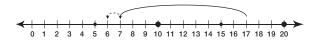
5.
$$17 - 10 + 1 = 8$$

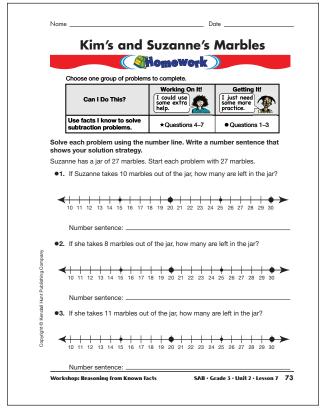


6.
$$17 - 10 + 2 = 9$$



7.
$$17 - 10 - 1 = 6$$





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shows your solution Kim has a jar of 17 ma	n strategy. earbles. Start each problem with 17 marbles.
•	marbles out of the jar, how many are left in the jar?
∢	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
	nce:
★5. If she takes 9 m	narbles out of the jar, how many are left in the jar?
	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
	narbles out of the jar, how many are left in the jar?
	ç
0 1 2 3 4	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
	nce:
★1. If she takes 11	marbles out of the jar, how many are left in the jar?
0 1 2 3 4	Company of the jar, how many are left in the jar? The jar, how many are left in the jar?
Number senten	nce:

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