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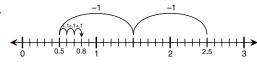
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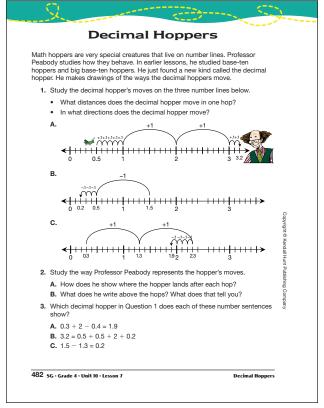
Decimal Hoppers

Questions 1-13 (SG pp. 482-486)

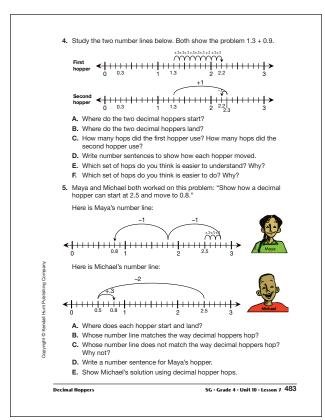
- **I. A.*** The decimal hopper moves 1 or 0.1 in one hop. It moves in the positive direction.
 - **B.*** The decimal hopper moves 1 or 0.1 in one hop. It moves in the negative direction.
 - **C.*** The decimal hopper moves 1 or 0.1 in one hop. It moves in both the negative and positive directions.
- **2. A.** Each hop comes down on the number it lands on.
 - **B.** He writes a number as well as a + or sign. This shows how far and in which direction the hopper moved.
- **3. A.** C
 - B. A
 - C. B
- **4. A.** They both start at 1.3.
 - **B.** They both land at 2.2.
 - **C.** The first hopper used nine hops, the second hopper used two hops.
 - **D.** 1.3 + 0.9 = 2.2; 1.3 + 1.0 0.1 = 2.2.
 - **E.** Answers will vary. Students may think the first hopper is easier to understand because it is like counting up by 0.1.
 - **F.** Answers will vary. Students may think the second hopper is easier to do because there are only two hops.
- **5. A.** Both hoppers start at 2.5 and land on 0.8.
 - **B.** Maya's; her hopper moved by only 1 or 0.1.
 - **C.** Michael's; his hopper did not move by only 1 or 0.1.
 - **D.** 2.5 + 0.3 2 = 0.8.

E.





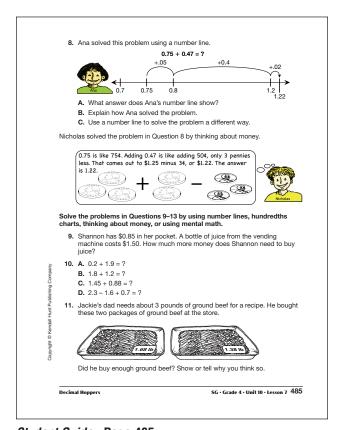
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^{*}Answers and/or discussion are included in the lesson.

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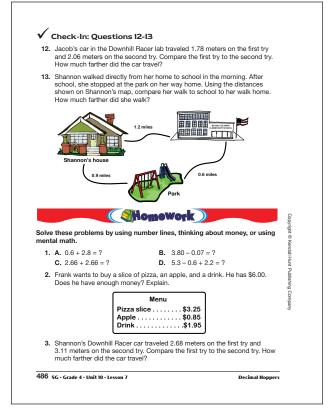
*Answers and/or discussion are included in the lesson.

- **6. A.** He jumped by numbers other than 1.0 or 0.1.
 - **B.** He split 1.6 into 1 + 0.3 + 0.3 and added these to 3.7.
 - **C.** Number lines will vary.
- **7. A.** Tanya's line shows that 4.1 1.8 = 2.3.
 - **B.** She subtracted 2 from 4.1 and added 0.2. 4.1 2 + 0.2 = 2.3.
 - **C.** Number lines will vary.
- **8.** A.* Ana's line shows 0.75 + 0.47 = 1.22.
 - **B.*** Ana split 0.47 into 0.05 + 0.4 + 0.02 and added these to 0.75.
 - C.* Number lines will vary.
- **9.** \$0.65; 1.5 0.85 = 0.65
- **IO. A.** 2.1
 - **B.** 3.0
 - **C.** 2.33
 - **D.** 1.4
- 11.* He bought the right amount of beef, 1.68 + 1.38 = 3.06, which is close to 3.

Homework

Questions 1–3 (SG p. 486)

- I. A. 3.4
 - **B.** 3.73
 - **C.** 5.32
 - **D.** 6.9
- **2.** He does not have enough money; 3.25 + 0.85 + 1.95 = 6.05
- **3.** 0.43 meters; 3.11 2.68 = 0.43



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