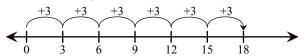
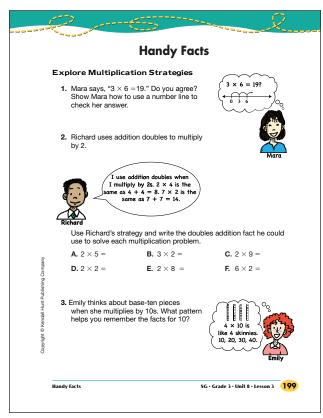
### Student Guide

# Handy Facts (SG pp. 199–200) Questions 1–6

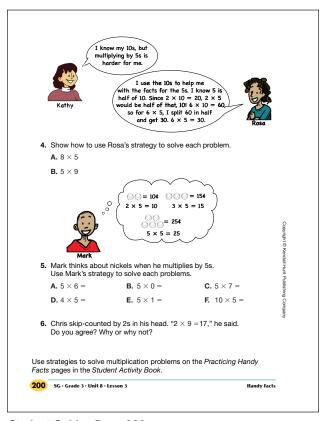
I. I do not agree.  $3 \times 6 = 18$ 



- **2. A.**  $2 \times 5 = 5 + 5 = (10)$ 
  - **B.**  $3 \times 2 = 3 + 3 = 6$
  - **C.**  $2 \times 9 = 9 + 9 = 18$
  - **D.**  $2 \times 2 = 2 + 2 = \boxed{4}$
  - **E.**  $2 \times 8 = 8 + 8 = (16)$
  - **F.**  $6 \times 2 = 6 + 6 = (12)$
- **3.** A number times 10 ends in zero.
- **4. A.** 40;  $8 \times 10 = 80$  and half of 80 is 40.  $8 \times 5 = 40$ .
  - **B.** 45;  $9 \times 10 = 90$  and half of 90 is 45.
- **5.** A. 30; 5 nickels is  $25\phi$ , so 6 nickels is  $30\phi$ .
  - **B.** 0; 0 at 5¢ each is 0¢.
  - **C.** 35; 5, 10, 10 15, 20, 25, 30, 35
  - **D.** 20; 2 nickels are 10¢ and 4 nickels are 20¢
  - **E.** 5; 1 nickel is 5¢
  - **F.** 50; 10 nickels are 50¢
- 6. I do not agree with Chris.  $2 \times 9$  does not equal  $17.2 \times 9 = 18$  because  $2 \times 10 = 20$ , 20 2 = 18.

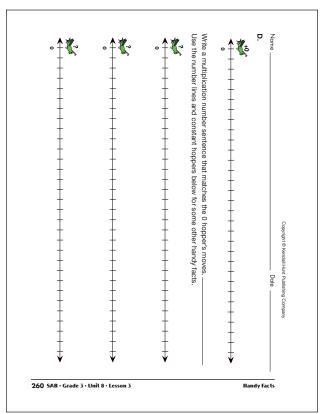


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\*Answers and/or discussion are included in the lesson.

# **Student Activity Book**

Handy Constant Hoppers (SAB pp. 259–260) Questions A–D

A.\*  $\frac{3}{6}$   $\frac{3}{6}$   $\frac{3}{6}$   $\frac{3}{6}$   $\frac{3}{6}$   $\frac{3}{6}$   $\frac{3}{12}$   $\frac{3}{15}$   $\frac{3}{15}$ 

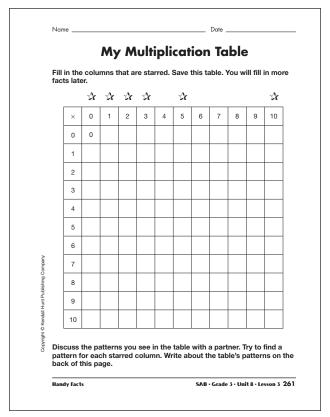
B.  $\frac{+2}{0}$   $\frac{+2}{4}$   $\frac{+2}{6}$   $\frac{+2}{8}$   $\frac{+2}{10}$   $\frac{+2}{12}$   $\frac{+2}{14}$   $\frac{+2}{16}$   $\frac{+2}{18}$   $\frac{+2}{20}$   $\frac{+2}{10}$   $\frac{+2}{12}$   $\frac{+2}{14}$   $\frac{+2}{16}$   $\frac{+2}{18}$   $\frac{+2}{20}$   $\frac{+2}{10}$   $\frac{+2}{12}$   $\frac{+2}{14}$   $\frac{+2}{16}$   $\frac{+2}{18}$   $\frac{+2}{20}$   $\frac{+2}{10}$   $\frac{+2}$ 

**D.\*** See Figure 2.  $10 \times 0 = 0$ 

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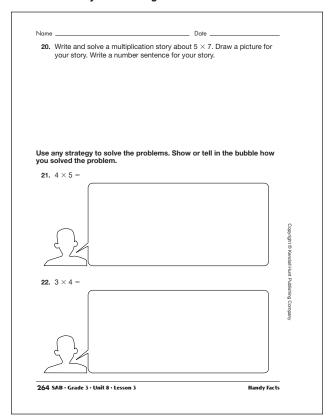
# My Multiplication Table (SAB p. 261)

×	0	1	2	3	5			10
0	0	0	0	0	0			0
1	0	1	2	3	5			10
2	0	2	4	6	10			20
3	0	3	6	9	15			30
4	0	4	8	12	20			40
5	0	5	10	15	25			50
6	0	6	12	18	30			60
7	0	7	14	21	35			70
8	0	8	16	24	40			80
9	0	9	18	27	45			90
10	0	10	20	30	50			100



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# Student Activity Book - Page 263



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# Practicing Handy Facts (SAB pp. 263–264) Questions 1–22

- I. 6
- **2.** 60
- **3.** 0

- **4.** 30
- **5.** 80
- **6.** 7

- **7.** 4 **10.** 25
- **8.** 27

II. 14

- **9.** 12
- **14.** 15 **15.** 0
- **12.** 40 **16.** 10
- 13. 9 17. 3
- **18.** Stories will vary. Possible response: My mom gave 0 cookies to 6 children. Each child got  $0 \times 6$  cookies or 0 cookies.
- **19.** Answers will vary. Possible response: 5 times a number always ends in 0 or 5.
- **20.**  $5 \times 7 = 35$ . Stories will vary. Possible response: There are 5 boxes. Each box 7 has trucks inside. How many trucks are there?  $5 \times 7 = 35$  trucks.
- **21.** Strategies will vary. Possible response: I skip counted by 5s four times: 5, 10, 15, 20,  $4 \times 5 = 20$ .
- **22.** Strategies will vary. Possible response: I used counters. 3 groups of 4 counters is 12 counters  $3 \times 4 = 12$ .

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# Nickels and Dimes (SAB pp. 265–266) Questions 1–4

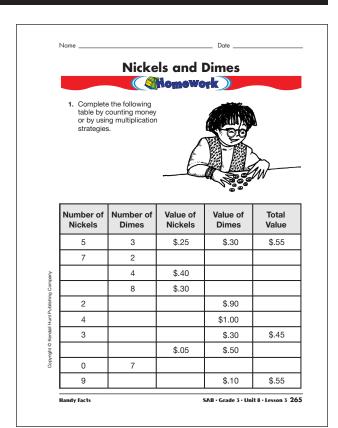
Ι.

Number of Nickels	Number of Dimes	Value of Nickels	Value of Dimes	Total Value	
5	3	\$.25	\$.30	\$.55	
7	2	\$.35	\$.20	\$.55	
8	4	\$.40	\$.40	\$.80	
6	8	\$.30	\$.80	\$1.10	
2	9	\$.10	\$.90	\$1.00	
4	10	\$.20	\$1.00	\$1.20	
3	3	\$.15	\$.30	\$.45	
1	5	\$.05	\$.50	\$.55	
0	7	0	\$.70	\$.70	
9	1	\$.45	\$.10	\$.55	

2.

Number of Nickels	Number of Dimes	Value of Nickels	Value of Dimes	Total Value
1	4	\$.05	\$.40	\$.45
3	3	\$.15	\$.30	\$.45
5	2	\$.25	\$.20	\$.45
7	1	\$.35	\$.10	\$.45
9	0	\$.45	0	\$.45

- **3.** Joe is wrong. Possible response: I know that with dimes the cents will always end in 0 because it is 10 times something. But 75¢ ends in 5 so you could never get 75¢ with dimes.
- **4.** Moe is correct.  $3 \times 10 = 30$ ¢ and  $9 \times 5$ ¢ = 45¢ 30¢ + 45¢ = 75¢.



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Number of Nickels	Number of Dimes	Value of Nickels	Value of Dimes	Total Value
	rt said, "I have a gree with Joe? \	Why or why not		

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