Homework

1. Practice the division facts for 5s and 10s using your Triangle Flash Cards.

2. For each statement below, find one number that will make it true. If there is no such number, say so.

   A. $6 \div 3 = \square$, since $3 \times \square = 6$

   B. $63 \div 7 = \square$, since $7 \times \square = 63$

   C. $8 \div 1 = \square$, since $1 \times \square = 8$

   D. $0 \div 5 = \square$, since $5 \times \square = 0$

   E. $24 \div 6 = \square$, since $6 \times \square = 24$

   F. $7 \div 0 = \square$, since $0 \times \square = 7$

Write the number sentences below. Fill in the boxes with numbers that make the sentences true.

3. Solve $5 \times 30 = 5 \times 3$ tens

   A. $5 \times (3 \times 10) = 5 \times \square$

   B. $5 \times 30 = \square$

   C. $(5 \times 3) \times 10 = \square \times 10$

   D. $15 \times 10 = \square$

4. A. $5 \times 40 = \square$ B. $4 \times 50 = \square$

5. A. $5 \times 70 = \square$ B. $7 \times 50 = \square$

6. A. $5 \times 90 = \square$ B. $9 \times 50 = \square$

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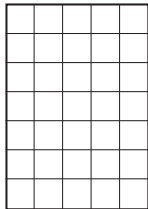
Homework (SG p. 219)

Questions 1–6

1. Students practice at home with their *Triangle Flash Cards*.

2. A. 2, 2
   B. 9, 9
   C. 8, 8
   D. 0, 0
   E. 4, 4
   F. Undefined; there is no number that makes $0 \times \square = 7$ true.

3. A. 30
   B. 150
   C. 15
   D. 150

4. A. 200   B. 200

5. A. 350   B. 350

6. A. 450   B. 450

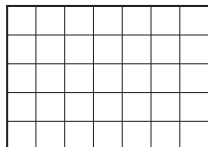---

Name _____   Date _____

Picturing Fact Families

1. A. The rectangle to the right represents the following problem: There are 7 rows of squares with 5 squares in each row. What is the total number of squares?

   Write the multiplication sentence for this problem on the top row of the rectangle. Write the number of rows first.

   B. The rectangle for Question 1A also represents this division problem: If a rectangle has a total of 35 squares in 7 rows, how many squares are in each row? Write the division sentence for this problem on the bottom row of the rectangle.

2. A. The rectangle to the right represents the following problem: There are 5 rows of squares with 7 squares in each row. What is the total number of squares?

   Write the multiplication sentence for this problem on the top row of the rectangle. Write the number of rows first.

   B. The rectangle for Question 2A also represents this division problem: If a rectangle has a total of 35 squares in 5 rows, how many squares are in each row? Write the division sentence for this problem on the bottom row of the rectangle.

3. Cut out the two rectangles and turn one around so that it fits on top of the other. The four number sentences represent the same rectangle. They are called a fact family.
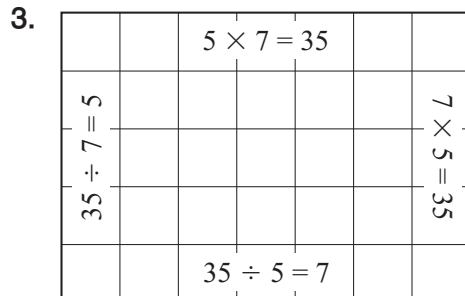
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Picturing Fact Families

Questions 1–3 (SAB p. 183)

1. A. 35 squares; $7 \times 5 = 35$
   B. 5 squares; $35 \div 7 = 5$

2. A. 35 squares; $5 \times 7 = 35$
   B. 7 squares; $35 \div 5 = 7$

3.

	$5 \times 7 = 35$		
$35 \div 7 = 5$			$7 \times 5 = 35$
	$35 \div 5 = 7$		

Student Activity Book

Mixed-up Tables

Questions 1–15 (SAB pp. 187–188)

1.

×	2	4	8
2	4	8	16
4	8	16	32
8	16	32	64

2.

×	1	3	9
1	1	3	9
3	3	9	27
9	9	27	81

3. Possible responses: All the products are even or multiples of 4. The products on the upper right-to-lower left diagonal are the same.

4. Possible responses: All the products are odd. The products on the upper right-to-lower left diagonal are the same.

5.

×	10	5	0
10	100	50	0
5	50	25	0
0	0	0	0

6.

×	6	5	7
6	36	30	42
5	30	25	35
7	42	35	49

7. A. Possible response: All the numbers are 0.

B. Any number times 0 is 0.

8. The square numbers are on the upper left-to-lower right diagonal.

9.

×	8	6	4
8	64	48	32
6	48	36	24
4	32	24	16

10.

×	8	6	3
8	64	48	24
6	48	36	18
3	24	18	9

11.

×	20	50	80
9	180	450	720
4	80	200	320
7	140	350	560

12.

×	7	6	4
30	210	180	120
90	630	540	360
100	700	600	400

13.

		Dividend	
÷	0	10	30
1	0	10	30
5	0	2	6
10	0	1	3

(Divisor labels rows)

14.

		Dividend	
÷	40	60	80
1	40	60	80
5	8	12	16
10	4	6	8

(Divisor labels rows)

15. Strategies will vary. Students may have used 80 ÷ 10 = 8 to help them solve 80 ÷ 5 = 16

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