

Unit 6: Home Practice

Part 1 Triangle Flash Cards: 5s and 10s

Study for the quiz on the division facts for the 5s and 10s. Take home your Triangle Flash Cards: 5s and 10s and the list of facts you need to study.

Ask a family member to choose one flash card at a time. He or she should cover the number in the square. Solve a division fact with the two uncovered numbers. Ask your family member to go through the cards again, this time covering the number in the circle.

Your teacher will tell you when the quiz on the 5s and 10s will be.

Part 2 Mixed-Up Multiplication Tables

1. Complete the table. Then describe any patterns you see.

\times	2	3	5	9	10	20
4						
6						
7						
8						

2. n stands for a missing number. Find the missing number in each number sentence. Use the table.

A. $n \times 7 = 14$ B. $3 \times n = 24$ C. $n \times 4 = 24$ D. $n \times 8 = 80$

E. $9 \times n = 63$ F. $n \times 8 = 72$ G. $4 \times n = 36$ H. $n \times 5 = 30$

Part 3 Multiplication and Division Practice

Use paper and pencil or mental math to solve the following problems. If you need more work space to show your work, you may use a separate sheet of paper. Use the *Multiplication Strategies Menu* in the Reference section of your *Student Guide* to help you. Estimate to make sure your answers are reasonable.

1. **A.** $78 \times 2 =$ **B.** $34 \times 9 =$ **C.** $47 \times 5 =$ **D.** $43 \times 8 =$

E. $24 \times 3 =$ **F.** $67 \times 5 =$ **G.** $42 \times 9 =$ **H.** $56 \times 5 =$

I. $82 \times 4 =$ **J.** $13 \times 7 =$ **K.** $33 \times 6 =$ **L.** $65 \times 5 =$

2. **A.** Choose a problem and show or tell how you can use mental math to solve it.

B. Explain how you know your answer to Question 1A is reasonable.

3. **A.** $80 \div 8 =$ **B.** $45 \div 5 =$ **C.** $60 \div 10 =$ **D.** $70 \div 7 =$

E. $40 \div 10 =$ **F.** $25 \div 1 =$ **G.** $35 \div 5 =$ **H.** $30 \div 10 =$

I. $15 \div 5 =$ **J.** $20 \div 10 =$ **K.** $0 \div 5 =$ **L.** $50 \div 10 =$

Part 4 Numbers in the News

Keenya and Nicholas found the following numbers in the newspaper. Write the numbers in order from smallest to largest in the following place value chart. Use the *Writing Numbers in Words* page in the *Student Guide Reference* section.

4,130,243 7,931,435 39,905 793,027
 4,613,378 9835 42,319

Millions			Thousands			Ones		

Write the smallest number in words.

Write the largest number in words.

Part 5 Subtraction Count Backs

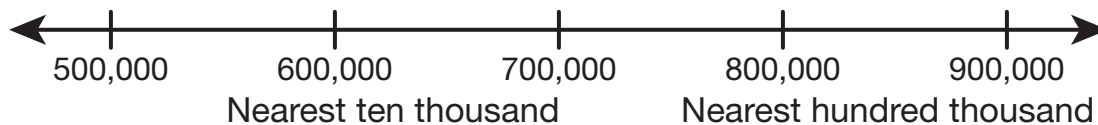
Do these problems in your head. Write only the answers. Work across the rows.

- | | |
|-------------------------|-------------------------|
| A. $11 - 2 =$ _____ | B. $31 - 2 =$ _____ |
| C. $110 - 20 =$ _____ | D. $310 - 20 =$ _____ |
| E. $27 - 3 =$ _____ | F. $7 - 3 =$ _____ |
| G. $2700 - 300 =$ _____ | H. $70 - 30 =$ _____ |
| I. $12 - 3 =$ _____ | J. $52 - 3 =$ _____ |
| K. $120 - 30 =$ _____ | L. $5200 - 300 =$ _____ |

Describe any patterns you see.

Part 6 Convenient Numbers

Estimate where each of the numbers (A–D) is located on the following number line. Make a mark on the number line to show each number. Label each mark with the correct letter A, B, C, or D. Then use the number line to round each number to the nearest ten thousand and nearest hundred thousand.



- | | | |
|------------|-------|-------|
| A. 650,780 | _____ | _____ |
| B. 870,002 | _____ | _____ |
| C. 720,000 | _____ | _____ |
| D. 509,237 | _____ | _____ |

Part 7 Using Estimation

The following table lists the number of people who immigrated to the United States from various countries in 2000. Use the information in the table to estimate the answers to the questions below. Use a separate sheet of paper to show what convenient numbers you chose to work with.

Country	Number of Immigrants	Country	Number of Immigrants
Canada	21,475	Mexico	171,748
China	41,861	Philippines	40,587
Dominican Republic	17,441	Romania	6,521
El Salvador	22,332	United Kingdom	14,532
India	39,072	Vietnam	25,340

1. Most immigrants came from which five countries listed in the table? List the countries and their population. List the populations in order from largest to smallest.
2. About how many more people immigrated from Mexico than from China?
3. About how many people immigrated from Canada and Mexico combined?
4. The number of immigrants from El Salvador is about the same as the number from which other country?
5. About how many more people came from India than Romania?
6. In 2000, the number of immigrants from all countries totaled about 850,000 people. About how many immigrants are reported in the table above?
(*Hint:* Use a calculator to help you with your estimation.)

Name _____ Date _____

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1. Complete the table. Then describe any patterns you see.

x	2	3	5	9	10	20
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7						
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2. n stands for a missing number. Find the missing number in each number sentence. Use the table.

- A. $n \times 7 = 14$ B. $3 \times n = 24$ C. $n \times 4 = 24$ D. $n \times 8 = 80$
 E. $9 \times n = 63$ F. $n \times 8 = 72$ G. $4 \times n = 36$ H. $n \times 5 = 30$

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Part 2. Mixed-Up Multiplication Tables

Questions 1–2 (TG p. 1)

1.

	2	3	5	9	10	20
4	8	12	20	36	40	80
6	12	18	30	54	60	120
7	14	21	35	63	70	140
8	16	24	40	72	80	160

Answers will vary.

2. A. 2 B. 8
 C. 6 D. 10
 E. 7 F. 9
 G. 9 H. 6

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Name _____ Date _____

Part 3 Multiplication and Division Practice

Use paper and pencil or mental math to solve the following problems. If you need more work space to show your work, you may use a separate sheet of paper. Use the *Multiplication Strategies Menu* in the Reference section of your *Student Guide* to help you. Estimate to make sure your answers are reasonable.

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 I. $82 \times 4 =$ J. $13 \times 7 =$ K. $33 \times 6 =$ L. $65 \times 5 =$
2. A. Choose a problem and show or tell how you can use mental math to solve it.
 B. Explain how you know your answer to Question 1A is reasonable.
3. A. $80 \div 8 =$ F. $45 \div 5 =$ C. $60 \div 10 =$ D. $70 \div 7 =$
 E. $40 \div 10 =$ F. $25 \div 1 =$ G. $35 \div 5 =$ H. $30 \div 10 =$
 I. $15 \div 5 =$ J. $20 \div 10 =$ K. $0 \div 5 =$ L. $50 \div 10 =$

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Part 3. Multiplication and Division Practice

Questions 1–3 (TG p. 2)

1. A. 156 B. 306 C. 235 D. 344
 E. 76 F. 335 G. 378 H. 280
 I. 328 J. 91 K. 198 L. 325
2. A. Answers will vary. Possible response for K: I separate the tens and ones. I know that $30 \times 6 = 180$, $3 \times 6 = 18$. $180 + 18 = 198$
 B. I know that $80 \times 2 = 160$, 156 is a little less so it is reasonable.
3. A. 10 B. 9 C. 6 D. 10
 E. 4 F. 25 G. 7 H. 3
 I. 3 J. 2 K. 0 L. 5

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Part 4. Numbers in the News (TG p. 3)

Millions			Thousands			Ones		
					9	8	3	5
				3	9	9	0	5
				4	2	3	1	9
			7	9	3	0	2	7
	4	1	3	0	2	4	3	
	4	6	1	3	3	7	8	
	7	9	3	1	4	3	5	

nine thousand, eight hundred thirty-five
 seven million, nine hundred thirty-one thousand,
 four hundred thirty-five

Part 5. Subtraction Count Backs

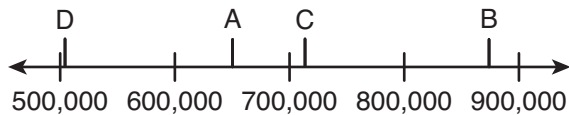
Questions A–L (TG p. 4)

- A. 9
- B. 29
- C. 90
- D. 290
- E. 24
- F. 4
- G. 2400
- H. 40
- I. 9
- J. 49
- K. 90
- L. 4900

Descriptions of patterns will vary.

Part 6. Convenient Numbers

Questions A–D (TG p. 4)



- A. 650,000; 700,000
- B. 870,000; 900,000
- C. 720,000; 700,000
- D. 510,000; 500,000

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(Hint: Use a calculator to help you with your estimation.)

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Part 7. Using Estimation

Questions 1–6 (TG p. 5)

- Mexico: 171,748; China: 41,861; Philippines: 40,587; India: 39,072; Vietnam: 25,340.
- Answers will vary. One possible solution is: $130,000; 170,000 - 40,000 = 130,000$ people.
- Answers will vary. One possible solution is: $190,000; 20,000 + 170,000 = 190,000$ people.
- Canada
- Answers will vary. One possible solution is: $30,000. 40,000 - 10,000 = 30,000$ people.
- Answers will vary based on estimates. One possible solution is $20,000 + 40,000 + 20,000 + 20,000 + 40,000 + 170,000 + 40,000 + 10,000 + 10,000 + 30,000 = 400,000$ immigrants.