Reteaching Reteaching Set D, pages 64-66; 68-69; 70-71 Remember to use the multiplication Find 425 × 38. Remember to regroup if necessary. Estimate to check that your answer is properties to determine what number Step 1 must be in the box. reasonable. $4 \times 8 = 8 \times 4$ 32 = 32Commutative 1. 256 × = 256 Find each product. Multiply the ones. Multiply the tens. Add the partial $(4 \times 5) \times 6 = 4 \times (5 \times 6)$ 120 = 120 **1.** 54 × 9 **2.** 157,678 × 0 = **2.** 92 × 6 Associative 2. 92×6 552 4. 708×5 3,540 6. 81×19 1,539 **486 3.** 189 × 3 ²⁴ 425 $12 \times 0 = 0$ 3. $7,000 \times = 20 \times 7,000$ 425 425 Zero 567 × 38 × 38 Identity $9 \times 1 = 9$ 5. 67 × 48 3,216 **4.** $(12 \times 3) \times 4 = 12 \times (12 \times 4)$ 3400 + 12750 12750 **5.** \times 1 = 1,234,005 **1,234,005 8.** 32 × 871 **6.** 40 × 60 = 60 × **1** Set E, pages 72-73 Set B, pages 60-61 Write 7³ in expanded form and standard form. Remember that the exponent tells how many times the base is used as a The base is 7. The exponent is 3. Find 3,000 × 500 Remember to count the total number $3 \times 5 = 15$ Write each in expanded form and Find each product. the non-zero digits. standard form. 1-4 See margin. Exponential notation: 73 1. 12 × 30 360 2. 600 × 40 24,000 **Expanded form:** $7 \times 7 \times 7$ **1.** 17² **2.** 10⁵ **3.** 2⁶ **4.** 5⁴ Step 2 Count the total number 5 zeros Standard form: 343 **3.** 10 × 9,000 **4.** 5.000 × 80 of zeros in both factors **5.** 9 × 10 × 800 Set F, pages 74-76 Place the total number of zeros after the product of the non zero digits. 1,500,000 72,000 6. 7,000 × 400 × 3 8,400,000 7. 8 × 5 × 22,000 880,000 Step 3 Draw a picture and write an equation. Solve. Remember that a picture can help you visualize an equation. The length of James's pool is 16 ft. The length of the pool at Wing Park is 4 times as long. How long is the pool at Wing Park? 1. Mia has a collection of 34 dolls. Set C, pages 62-63 A toy store's warehouse has ℓ length of Wing Park Pool Estimate 37 × 88. Remember to either round the factors 15 times as many dolls. How 16 16 16 16 many dolls are in the warehouse? See margin. 2. Lea has given 23 surveys at or use compatible numbers. Step 1 Round both factors. 37 is about 40 and Estimate each product 88 is about 90. length of James's pool in feet Sample answers are 1. 7 × 396 2. 2,800 3. 91 × 51 4,500 are given. 2. 17 × 63 1,200 4. 70 × 523 35,000 school. She needs to give twice this amount before the end of the Let $\ell=$ the length of Wing Park pool. $40 \times 90 = 3.600$ 2 16 Step 2 Use mental math week. How many more surveys and multiply the rounded factors does Lea need to give? $16 \times 4 = \ell$ See margin. $\ell=64\,\text{ft}$ 5. 32 × 400 12,000 6. 116 × 787 80,000 The length of Wing Park pool is 64 ft. **7.** 4 × 24 × 91 **9,000 8.** 29 × 51 × 67 105,000 Topic 3 Reteaching

Answers, Set E

- 1. 17×17 ; 289
- 2. $10 \times 10 \times 10 \times 10 \times 10$; 100, 000
- 3. $2 \times 2 \times 2 \times 2 \times 2 \times 2$; 64
- 4. $5 \times 5 \times 5 \times 5$; 625

Answers, Set F

 $34 \times 15 = d$; d = 510 dolls



 $23 \times 2 = s$; s = 46 more surveys