

School-Home Letter

Dear Family,

Throughout the next few weeks, our math class will be continuing to explore dividing with whole numbers, including two-digit divisors. We will also learn about partial quotients.

You can expect to see homework that provides practice with checking for reasonableness.

Here is a sample of how your child will be taught to divide by a two-digit number.

Vocabulary

guess, check, and revise

A problem solving strategy that involves guessing an answer and then revising as needed.

partial quotients A division method that does not require dividing each place value exactly.

MODEL Divide by Two-Digit Numbers

This is how we will be dividing by two-digit divisors.

$$528 \div 24$$

STEP 1

Estimate to place the first digit.

$$500 \div 20 = 25$$

Place the first digit in the tens place.

$$\begin{array}{r} 2 \\ 24 \overline{)528} \end{array}$$

STEP 2

Divide the tens.

$$\begin{array}{r} 2 \\ 24 \overline{)528} \\ \underline{-48} \\ 48 \end{array}$$

STEP 3

Divide the ones.

$$\begin{array}{r} 22 \\ 24 \overline{)528} \\ \underline{-48} \\ 48 \\ \underline{-48} \\ 0 \end{array}$$

Tips

Solve Multi-step Problems

Many word problems require more than one step to solve. It is important to clearly identify the different steps needed and the correct order in which to complete those steps.

Activity

Identify several prices of items at a store that your child is interested in purchasing. Write each of the prices in terms of cents, for example a toy car that costs \$2.19 is 219¢. Then work together to determine how many quarters you would need to purchase that item.

Carta para la casa

Querida familia,

Durante las próximas semanas, en la clase de matemáticas seguiremos explorando la división con números enteros, incluidos los divisores de dos dígitos. También aprenderemos sobre los cocientes parciales.

Llevaré a la casa tareas para practicar cómo comprobar que algo es razonable.

Este es un ejemplo de la manera como aprenderemos a dividir entre un número de dos dígitos

Vocabulario

adivinar, comprobar y revisar Una estrategia de resolución de problemas que consiste en adivinar una respuesta y después revisarla según la necesidad.

cocientes parciales Un método de división en el que no es necesario dividir cada valor posicional de manera exacta.

MODELO Dividir entre números de dos dígitos

Así es como dividiremos entre divisores de dos dígitos.

$$528 \div 24$$

PASO 1

Estima el lugar del primer dígito.

$$500 \div 20 = 25$$

Coloca el primer dígito en el lugar de las decenas.

$$\begin{array}{r} 2 \\ 24 \overline{)528} \end{array}$$

PASO 2

Divide las decenas.

$$\begin{array}{r} 2 \\ 24 \overline{)528} \\ \underline{-48} \\ 48 \end{array}$$

PASO 3

Divide las unidades.

$$\begin{array}{r} 22 \\ 24 \overline{)528} \\ \underline{-48} \\ 48 \\ \underline{-48} \\ 0 \end{array}$$

Pistas

Resolver problemas de varios pasos

Muchos problemas requieren más de un paso para resolverse. Es importante identificar con claridad los diferentes pasos que se necesitan y el orden correcto en el se deben completar.

Actividad

Encuentre los precios de varios artículos que su hijo quiera comprar en una tienda. Escriba cada precio en centavos, por ejemplo, un carro de juguete que cuesta \$2.19 es 219¢. Luego, determinen juntos cuántas monedas de 25¢ se necesitan para comprar ese artículo.

Name _____

Partial Quotients

MA.5.A.1.1 Describe the process of finding quotients involving multi-digit dividends using models, place value, properties and the relationship of division to multiplication.

Divide. Use partial quotients.

1. $236 \div 18$

2. $322 \div 14$

3. $715 \div 25$

$$\begin{array}{r}
 18 \overline{)236} \\
 \underline{-180} \leftarrow 10 \times 18 \quad | \quad 10 \\
 56 \\
 \underline{-36} \leftarrow 2 \times 18 \quad | \quad 2 \\
 20 \\
 \underline{-18} \leftarrow 1 \times 18 \quad | \quad + 1 \\
 2 \qquad \qquad \qquad | \quad 13
 \end{array}$$

 $236 \div 18$ is 13 r2

4. $478 \div 16$

5. $418 \div 22$

6. $625 \div 25$

7. $28 \overline{)514}$

8. $36 \overline{)540}$

9. $27 \overline{)624}$

Problem Solving  **REAL WORLD**

10. A factory processes 1,560 ounces of olive oil per hour. If they are packaging the oil into 24-ounce bottles, how many bottles will they fill in one hour?

11. A pond at a hotel holds 4,290 gallons of water. It can be drained at a rate of 78 gallons of water per hour. How long would it take to drain the pond?



Lesson Check (MA.5.A.1.1)

1. Yvette has 336 eggs to put into cartons. She will put one dozen eggs into each carton. How many cartons will she fill?
(A) 20
(B) 21
(C) 27
(D) 28
2. Ned can mow a 450 square-foot garden in 15 minutes. How many square feet can he mow in one minute?
(F) 3
(G) 30
(H) 435
(I) 465

Review Grade 5 (MA.5.A.1.2)



3. Raul has 54 bouncing balls to put into gift bags for an event. If he puts 6 balls into each bag, how many bags can he fill?
(A) 7
(B) 8
(C) 9
(D) 11
4. Marcia bought 4000 grams of sugar for her bakery. If she uses 5 grams to coat one donut, how many donuts can she coat with 4000 grams?
(F) 8000
(G) 800
(H) 80
(I) 8

Look Back (MA.4.A.1.2, MA.5.A.1.1)



5. Michelle bought 13 bags of gravel for her fish aquarium. If each bag has 3 pounds, how many pounds of gravel did she purchase?
(A) 39 pounds
(B) 38 pounds
(C) 22 pounds
(D) 12 pounds
6. Alison bought 3 boxes of dog treats. There were 15 treats in each box. Which expression can she use to find how many treats she bought in all?
(F) $3 + 15$
(G) $15 \div 3$
(H) $15 - 3$
(I) 3×15

Name _____

Estimate with 2-Digit Divisors

MA.5.A.1.2 Estimate quotients or calculate them mentally depending on the context and numbers involved.

Use compatible numbers to find two estimates.

1. $1,322 \div 18$

2. $2,242 \div 33$

3. $735 \div 27$

4. $478 \div 12$

$$\begin{array}{r} 1,200 \div 20 \\ = 60 \end{array}$$

$$\begin{array}{r} 1,400 \div 20 \\ = 70 \end{array}$$

5. $336 \div 12$

6. $1,418 \div 22$

7. $16 \overline{)2,028}$

8. $17 \overline{)1,569}$

9. $82 \overline{)5,514}$

10. $61 \overline{)5,240}$

11. $28 \overline{)776}$

12. $23 \overline{)1,624}$

Problem Solving 

13. A cubic yard of topsoil weighs 4,128 pounds. About how many 50-pound bags of topsoil can be filled with a cubic yard of topsoil?

14. An electronics store placed an order for 2,665 USB flash drives. The drives are packed in boxes with 36 drives per box. About how many boxes will be shipped to fill the order?

Lesson Check (MA.5.A.1.2)

- Marcy has 567 earmuffs in stock. If she can put 18 earmuffs on each shelf, about how many shelves does she need for all the earmuffs?
 - (A) 20
 - (B) 30
 - (C) 570
 - (D) 590
- Howard paid \$357 for a dozen Collector's Edition baseball cards. About how much did he pay for each baseball card?
 - (F) \$20
 - (G) \$30
 - (H) \$45
 - (I) \$50

Review Grade 5 (MA.5.A.1.3)

- Andrew can frame 8 pictures each day. If he has an order for 79 pictures, how many days will it take him to complete the order?
 - (A) 8 days
 - (B) 9 days
 - (C) 10 days
 - (D) 11 days
- Madeleine can type 3 pages in an hour. How many hours will it take her to type a 25-page report?
 - (F) 7 hours
 - (G) 8 hours
 - (H) $8\frac{1}{3}$ hours
 - (I) 22 hours

← SPIRAL REVIEW

Look Back (MA.4.A.1.1, MA.5.A.1.1)

- Gordon ordered 8 boxes of light bulbs for his family. There were 8 light bulbs in each box. How many light bulbs did Gordon order altogether?
 - (A) 64
 - (B) 72
 - (C) 80
 - (D) 88
- Grace picked 72 apples. If she uses 8 apples to make each apple pie, how many pies can she make with the apples?
 - (F) 12
 - (G) 9
 - (H) 7
 - (I) 6

← SPIRAL REVIEW

Name _____

Explore Division with 2-Digit Divisors

MA.5.A.1.1 Describe the process of finding quotients involving multi-digit dividends using models, place value, properties and the relationship of division to multiplication.

Divide.

1. $375 \div 12$

2. $1,243 \div 11$

3. $672 \div 21$

4. $429 \div 13$

$$\begin{array}{r}
 31 \text{ r}3 \\
 12 \overline{)375} \\
 \underline{-36} \\
 15 \\
 \underline{-12} \\
 3
 \end{array}$$

5. $1,857 \div 18$

6. $4,644 \div 22$

7. $2,639 \div 13$

8. $3,574 \div 27$

9. $5,990 \div 45$

10. $4,680 \div 39$

11. $776 \div 58$

12. $5,760 \div 25$

Problem Solving

13. MaryBeth can type 53 words per minute. About how long would it take her to type a 2,975-word report?

14. Kalynn can read about 42 pages per hour in her novel. The novel is 813 pages long. About how many hours will it take her to read the novel?

Lesson Check (MA.5.A.1.1)

1. A screen-printing machine can complete 32 shirts each hour. How long will it take to finish an order for 1,280 shirts? Fill in the grid to show your answer.

0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

Review Grade 5 (MA.5.A.1.3)

2. Hannah is organizing her photos into an album. The photo sheets have 4 sleeves on each of the two sides. How many sheets does she need for 58 photos?

- (A) 12
- (B) 11
- (C) 8
- (D) 7

3. Dave earns \$8 a week in allowance. How many weeks would he need to save his allowance to save \$100?

- (F) 9
- (G) 12
- (H) 13
- (I) 92



Look Back (MA.4.A.1.1, MA.5.A.1.4)

4. Hallie bought 6 packs of canned cat food to donate to the shelter. Each pack has 8 cans. How many cans did Hallie buy?

- (A) 48
- (B) 42
- (C) 24
- (D) 8

5. Darryl can make 7 wreaths in one day. Which expression can be used to find the number of days it will take him to complete an order for 42 wreaths?

- (F) 42×7
- (G) $42 \div 7$
- (H) $42 + 7$
- (I) $42 - 7$



Name _____

Divide by 2-Digit Divisors

MA.5.A.1.4 Divide multi-digit whole numbers fluently, including solving real-world problems, demonstrating understanding of the standard algorithm and checking the reasonableness of results.

Divide. Check your answer.

1. $385 \div 12$

2. $837 \div 36$

3. $1,650 \div 55$

4. $5,634 \div 18$

$$\begin{array}{r}
 32 \text{ r}1 \\
 12 \overline{)385} \\
 \underline{-36} \\
 25 \\
 \underline{-24} \\
 1
 \end{array}$$

5. $7,231 \div 24$

6. $5,309 \div 43$

7. $37 \overline{)3,774}$

8. $54 \overline{)1,099}$

9. $28 \overline{)6,440}$

10. $52 \overline{)5,256}$

11. $85 \overline{)1,955}$

12. $46 \overline{)5,624}$

Problem Solving  **REAL WORLD**

13. The factory workers made 756 machine parts in 36 hours. They made the same number of machine parts each hour. How many machine parts did they make each hour?

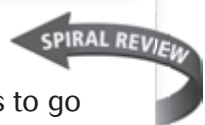
14. A box with 2,760 bolts were delivered to the factory. The bolts were in small bags with 12 bolts in each bag. How many bags of bolts were delivered to the factory?



Lesson Check (MA.5.A.1.4)

1. A bakery packaged 868 cupcakes in 31 boxes. How many cupcakes did they put in each box?
(A) 28
(B) 37
(C) 38
(D) 47
2. Maggie ordered 19 gift boxes that were all the same. The Ship-Shape Packaging Company packed and shipped the boxes for \$1,292. How much did each gift box cost?
(F) \$58
(G) \$64
(H) \$68
(I) \$78

Review Grade 5 (MA.5.A.1.3, MA.5.A.1.1)



3. Reese packaged sample soaps into gift bags for a party. If there are 312 soaps and 5 soaps go in each bag, how many soaps will not be used?
(A) 62
(B) 12
(C) 3
(D) 2
4. Kelly paid for herself and five friends to go roller skating. If she paid a total of \$30, how much did it cost for one person to skate?
(F) \$5
(G) \$6
(H) \$24
(I) \$25

Look Back (MA.4.A.1.2)



5. Gretchen drank seven 16-ounce bottles of water. How many ounces of water did she drink?
(A) 122
(B) 112
(C) 92
(D) 72
6. Jonathan used 216 craft sticks to make a birdhouse. How many craft sticks does he need to make 6 birdhouses?
(F) 36
(G) 222
(H) 1,200
(I) 1,296

Name _____

Adjusting Quotients

MA.5.A.1.1 Describe the process of finding quotients involving multi-digit dividends using models, place value, properties and the relationship of division to multiplication.

Adjust the estimated digit in the quotient, if needed. Then divide.

$$\begin{array}{r}
 1. \quad \begin{array}{r} 5 \\ 16 \overline{)976} \\ \underline{-80} \\ 17 \quad 61 \\ 16 \overline{)976} \\ \underline{-96} \\ 16 \\ \underline{-16} \\ 0 \end{array}
 \end{array}$$

$$2. \quad \begin{array}{r} 3 \\ 24 \overline{)689} \end{array}$$

$$3. \quad \begin{array}{r} 3 \\ 65 \overline{)2,210} \end{array}$$

$$4. \quad \begin{array}{r} 2 \\ 38 \overline{)7,035} \end{array}$$

Divide.

5. $2,961 \div 47$

6. $2,072 \div 86$

7. $1,280 \div 25$

8. $31 \overline{)1,496}$

9. $86 \overline{)6,290}$

10. $95 \overline{)4,000}$

11. $44 \overline{)2,910}$

12. $82 \overline{)4,018}$

Problem Solving 

13. A copier prints 89 copies in one minute. How long would it take that copier to make 1,958 copies?

14. Erica is saving her money to buy a dining room set that costs \$580. If she saves \$29 each month, how many months will she need to save to have enough money to buy the set?

Lesson Check (MA.5.A.1.1)

- Gail ordered 5,675 pounds of flour for the bakery. If the flour is delivered in 25-pound bags, how many bags will be delivered? Fill in the grid to show your answer.

0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

Review Grade 5 (MA.5.A.1.3)

- Lina makes beaded bracelets. She uses 23 beads to make each bracelet. How many bracelets can she make with 356 beads?
 - (A) 12
 - (B) 14
 - (C) 15
 - (D) 16
- Simone is in a bike-a-thon for a fundraiser. She has \$15 in pledges for every mile she bikes. If she wants to make at least \$500, how many miles does she need to bike?
 - (F) 34
 - (G) 33
 - (H) 30
 - (I) 15

← SPIRAL REVIEW

Look Back (MA.4.A.1.1)

- Brianna went to a 3-for-\$5 book sale. She bought a total of 15 books. How much did she spend?
 - (A) \$8
 - (B) \$9
 - (C) \$18
 - (D) \$25
- Christy bought a pack of 18 barrettes. Which expression can be used to find the number of barrettes each girl will get if she shares the barrettes equally with her sister?
 - (F) $18 - 2$
 - (G) $18 \div 2$
 - (H) $18 + 2$
 - (I) 18×2

← SPIRAL REVIEW

Name _____

Guess, Check, and Revise · Adjusting Quotients



MA.5.A.6.5 Solve non-routine problems using various strategies including “solving a simpler problem” and “guess, check, and revise.”

Solve each problem. Show your work.

1. Henry is purchasing protector sheets for his coin collection. He can buy protectors that have 8, 12, or 16 pockets. He has 376 coins. If he wants to put his collection of coins into 40 protectors or less, which type should he purchase?

$$\begin{array}{r} 47 \\ 8 \overline{)376} \\ \hline \end{array}$$

too many

$$\begin{array}{r} 31 \text{ r}4 \\ 12 \overline{)376} \\ \hline \end{array}$$

possible

$$\begin{array}{r} 23 \text{ r}8 \\ 16 \overline{)376} \\ \hline \end{array}$$

possible

Henry should buy either the 12-coin or the 16-coin protector sheets.

2. Emily has 275 ounces of peanuts to put in bags for the party. She can use bags that hold 8 ounces, 12 ounces, or 16 ounces. She needs to fill at least 25 bags of the same size with peanuts and wants the largest bag possible. Which bag should she use?

3. Alex has 450 pounds of birdseed to package in containers that hold 6 pounds, 9 pounds, or 12 pounds. He needs at least 36 containers of birdseed. He wants to use the largest container possible. Which container should he use?

4. The 12 members of the Brown family want to go on a city bus tour. The Redline tour cost \$25 per person, the Blueline tour cost \$28 per person, and the Greenline tour cost \$36 per person. They want to go on the most expensive tour they can that does not go over their \$435 budget for the tour. Which tour should they take?

5. The honors club collected \$945 to purchase sweatshirts to wear on a field trip. There are 50 members in the club. The three sweatshirts they are considering cost \$18, \$20, and \$23. Which shirt should they select and how much will be left after purchasing the shirts?

6. The lodging budget for the travel club’s trip is \$1,400 per night. They are going to rent 15 rooms. They can rent rooms for \$75, \$85, or \$95 per night. What is the most they could pay for a room per night?

Lesson Check (MA.5.A.6.5)

- Rhonda has 54 beanbag animals to sell at an Art Fair. She needs to make \$648 to cover her expenses and make a profit. Which is the least she should charge for each beanbag animal?
 - (A) \$11
 - (B) \$12
 - (C) \$13
 - (D) \$14
- Sam bought a 1,000-yard roll of fishing line. He is rewinding the line on reels. He has 14 reels. What is the most number of reels he can make with the roll if he wraps each reel with 75 feet of line?
 - (F) 10
 - (G) 12
 - (H) 13
 - (I) 14

Review Grade 5 (MA.5.A.1.3, MA.5.A.1.2)



- Jorge is sorting his toy car collection equally into five boxes. If he has 238 cars, how many will be left outside of a box after he has sorted?
 - (A) 2
 - (B) 3
 - (C) 5
 - (D) 8
- Tyrone's car gets 21 miles to the gallon. About how many gallons of gas will he use to travel 420 miles?
 - (F) 15 gallons
 - (G) 17 gallons
 - (H) 19 gallons
 - (I) 20 gallons

Look Back (MA.4.A.1.2, MA.5.A.1.4)



- Lottie earns \$15 each time she mows a lawn for one of her neighbors. Last year she mowed lawns 125 times. How much money did Lottie earn mowing lawns last year?
 - (A) \$140
 - (B) \$1,250
 - (C) \$1,875
 - (D) \$2,125
- Angelle made 56 bracelets and used 12 beads on each bracelet. Which expression can be used to calculate how many beads she used altogether?
 - (F) $56 - 12$
 - (G) $56 \div 12$
 - (H) $56 + 12$
 - (I) 56×12

Name _____

Check Reasonableness



MA.5.A.1.4 Divide multi-digit whole numbers fluently, including solving real-world problems, demonstrating understanding of the standard algorithm and checking the reasonableness of results.

Estimate to check reasonableness. Use a calculator to divide.

1. Estimate: _____ 2. Estimate: _____ 3. Estimate: _____

16,000 ÷ 80 = 200

16,324 ÷ 84 **194 r28**

35,087 ÷ 72 _____

24,742 ÷ 89 _____

4. Estimate: _____ 5. Estimate: _____ 6. Estimate: _____

14,950 ÷ 61 _____

22,698 ÷ 97 _____

14,500 ÷ 54 _____

7. Estimate: _____ 8. Estimate: _____ 9. Estimate: _____

41,250 ÷ 67 _____

25,984 ÷ 32 _____

32,687 ÷ 78 _____

10. Estimate: _____ 11. Estimate: _____ 12. Estimate: _____

15,780 ÷ 22 _____

20,304 ÷ 36 _____

33,250 ÷ 91 _____

Problem Solving

13. A fashion designer ordered 20,565 yards of fabric. The fabric is only shipped in bolts with 25 yards on each bolt. How many bolts will be shipped? How many extra yards will the designer have?
14. Eric is paying \$39 per week to pay off a loan for \$14,568. How many weeks will he have to make payments to pay off the loan? How much will his last payment be?

Lesson Check (MA.5.A.1.4)

- Jean has a newspaper route. He delivers one newspaper to each of 64 houses. If he delivered 9,344 papers last year, how many days did he deliver the paper?
 - (A) 125 days
 - (B) 140 days
 - (C) 146 days
 - (D) 200 days
- An 45-second video has 1,080 frames. How many frames roll every second during the video?
 - (F) 18
 - (G) 24
 - (H) 30
 - (I) 36

Review Grade 5 (MA.5.A.1.1)

- Tommy bought a scooter for a total cost of \$1,365. If he pays \$39 per week on the set, how many weeks will it take to pay off the scooter?
 - (A) 35
 - (B) 38
 - (C) 39
 - (D) 40
- An adult elephant needs at least 300 pounds of food daily. If there are 3,000 pounds of grass to feed the elephants and there are 5 elephants, how many pounds does each elephant get if the food is equally distributed?
 - (F) 300 pounds
 - (G) 400 pounds
 - (H) 415 pounds
 - (I) 600 pounds

← SPIRAL REVIEW

Look Back (MA.4.1.2, MA.5.A.1.4)

- Allan bought 3 bags of dog food. If each bag weighs 18 ounces, how many ounces of dog food did he purchase?
 - (A) 64 ounces
 - (B) 54 ounces
 - (C) 44 ounces
 - (D) 34 ounces
- Harold bought two-dozen chocolate candies. If the total cost of the candies was \$72, how much was each candy?
 - (F) \$1
 - (G) \$2
 - (H) \$3
 - (I) \$4

← SPIRAL REVIEW

Name _____

Multistep Problems

MA.5.A.1.4 Divide multi-digit whole numbers fluently, including solving real-world problems, demonstrating understanding of the algorithm and checking the reasonableness of results.

Use multiple steps to solve the problem.

- Ahmed bought three flowers and one box of candy for each of his sisters for Valentine's Day. Each flower cost \$3 and each box of candy cost \$5. If he spent a total of \$70, how many sisters does Ahmed have?
- Arnold's father gave him a penny collection of 4,127 pennies. Most are in display cases that hold 25 pennies each. Two hundred seventy-seven of the pennies are not in cases. How many full cases does Arnold have?

$$3 \times \$3 = \$9$$

$$\$9 + \$5 = \$14$$

$$\$70 \div \$14 = 5$$

Ahmed has 5 sisters

- On an overnight field trip, a fifth-grade class stayed in 15 hotel rooms for \$85 per room and had 54 meals at a restaurant. If the total cost for the hotel and the restaurant was \$2,139, what was the cost of each meal?
 - The T-Shirt Junction received an order for 45 screen printed T-shirts and 45 sweatshirts for a drama club. Each T-shirt cost \$7. If the total cost is \$990, what is the individual cost for each sweatshirt?
-

Problem Solving

- A company gives a meal allowance during travel of \$10 for breakfast, \$15 for lunch, and \$28 for dinner. If a sales person submitted a request for \$954 and used the full allowance for all three meals on each day, how many days was the request for?
 - A craft store needs 5,126 yards of special-order ribbon and 2,654 yards of a velvet ribbon. The ribbons come pre-packaged on rolls of 30 yards each. How many rolls will be in the order?
-

Lesson Check (MA.5.A.1.4)

- At a class trip to the museum, each person paid for attendance and got two magnets. Sixty-five people went on the trip and the magnets cost \$3 each. If the total cost of admission and magnets was \$910, what is the cost of admission?

(A) \$7 (C) \$11 (F) 20 (H) 23

(B) \$8 (D) \$14 (G) 22 (I) 32
- The cafeteria needs 135 apples for the class picnic. The apples come in packages of 6. How many packages of apples do they need to order?

Review Grade 5 (MA.5.A.1.3)

- Tracie is running for class office. She has 3 different designs for buttons and wants to make an equal number of each design. If she wants at least 250 buttons, what is the least number of buttons she can have of each design?

(A) 86

(B) 84

(C) 83

(D) 80
- Sam's Pizza Palace baked 145 pizzas for a banquet. There are 8 banquet tables. If the same amount of pizza is served at each table, how much pizza is there for each table?

(F) 18

(G) $18\frac{1}{145}$

(H) $18\frac{1}{8}$

(I) $18\frac{5}{8}$

← SPIRAL REVIEW

Look Back (MA.4.A.1.2)

- Teesha bought 3 bags of erasers. There were 18 erasers in each bag. How many erasers did Teesha buy?

(A) 64

(B) 54

(C) 44

(D) 34
- The office manager bought 24 reams of paper. There are 500 sheets of paper in each ream. How many sheets of paper did the office manager buy?

(F) 524

(G) 1,200

(H) 5,240

(I) 12,000

← SPIRAL REVIEW

Name _____

Chapter 3 Extra Practice

Lesson 3.1 (pp. 85–88)

Divide. Use partial quotients.

1. $45 \overline{)3,165}$ _____

2. $25 \overline{)750}$ _____

3. $17 \overline{)1,411}$ _____

4. $490 \div 14$ _____

5. $2,384 \div 23$ _____

6. $378 \div 56$ _____

7. A furniture company is delivering 384 desks to 16 schools. Each school receives the same number of desks. How many desks does each school receive?

8. A school needs 1,340 notebooks. Each pack contains 24 notebooks. How many packs of notebooks does the school need to order?

Lesson 3.2 (pp. 89–92)

Use compatible numbers to find two estimates.

1. $32 \overline{)252}$

2. $57 \overline{)620}$

3. $21 \overline{)1,389}$

4. $319 \div 47$

5. $\$6,529 \div 82$

6. $4,199 \div 68$

Lesson 3.3 (pp. 93–96)

Divide.

1. $1,841 \div 26$ _____

2. $1,184 \div 32$ _____

3. $835 \div 19$ _____

4. $1,442 \div 12$ _____

5. $2,522 \div 105$ _____

6. $3,462 \div 11$ _____

Lesson 3.4 (pp. 97–100)

Divide. Check your answer.

1. $12 \overline{)320}$ _____

2. $41 \overline{)625}$ _____

3. $53 \overline{)6,681}$ _____

4. $821 \div 82$ _____

5. $2,408 \div 15$ _____

6. $6,370 \div 29$ _____

7. A farmer is selling an equal amount of cabbages to a dozen grocers. He has 456 cabbages. How many does he sell to each grocer?

8. A chef has 1,095 pounds of green beans. If he uses 52 pounds a week, will he have enough for 22 weeks? If the chef does not have enough, how many more pounds will he need?

Name _____

Chapter 3 Extra Practice

Lesson 3.5 (pp. 103–106)

Divide.

1. $56 \overline{)378}$ _____

2. $32 \overline{)549}$ _____

3. $45 \overline{)3,165}$ _____

4. $2,300 \div 82$ _____

5. $1,296 \div 36$ _____

6. $588 \div 84$ _____

Lesson 3.6 (pp. 107–110)

Solve.

1. A guitar teacher has 305 guitar picks to give as awards to his guitar students. He has more than 20 students and gives at least 11 picks to each student. After each student gets the same number of picks, there are 5 picks left over. How many students are there? How many picks does each student receive?

2. Mr. Fuentes needs to stock his store with concert posters. He has \$1,525 to spend on posters that are all one size. He can buy small posters for \$15 each, medium posters for \$20 each, or large posters for \$25 each. He wants to buy as many as possible of one size and have \$10 left over. Which size poster can he buy?

3. Oscar is playing a word-search game. He scores 25 points for each word found. He wants to score at least 525 points. How many words must Oscar find?

Lesson 3.7 (pp. 111–114)

Estimate to check reasonableness. Use a calculator to divide.

1. Estimate:

$$57,415 \div 32 \underline{\hspace{2cm}}$$

2. Estimate:

$$43,926 \div 49 \underline{\hspace{2cm}}$$

3. Estimate:

$$63,129 \div 76 \underline{\hspace{2cm}}$$

4. Estimate:

$$35,201 \div 91 \underline{\hspace{2cm}}$$

5. Estimate:

$$26,518 \div 39 \underline{\hspace{2cm}}$$

6. Estimate:

$$98,170 \div 18 \underline{\hspace{2cm}}$$

Lesson 3.8 (pp. 115–118)

Use multiple steps to solve the problem.

1. A newspaper distributor had 15 bundles of 75 papers each. He shared the papers equally among 25 merchants. How many papers did each merchant receive?

2. A city parking lot owner collected \$2,592 for the cars parked in his lot. There were 3 rows of 16 cars each and 2 rows of 12 cars each. How much did each driver pay to park?

3. Ethan charges \$10 per hour to mow lawns and \$5 per hour to weed. Last month, he mowed for 35 hours and weeded for 38 hours. Now he has just enough money to buy 15 soaker hoses. How much does each hose cost?

4. This week, 18 students collected 2 box tops each and 15 students collected 3 box tops each. Their goal is to collect 972 box tops. If each of the students collects the same number each week, how many weeks will it take them to reach their goal?
