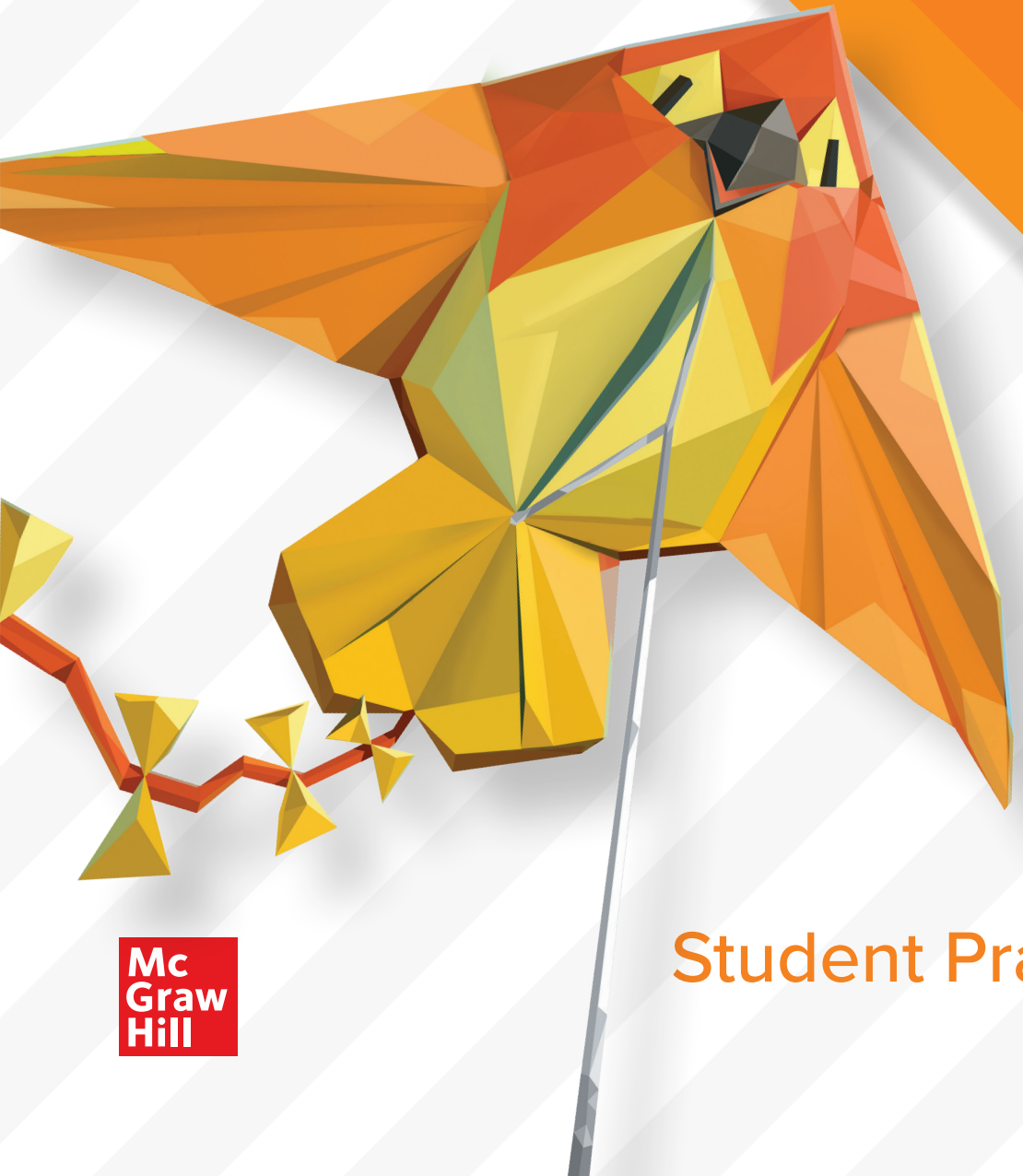
Grade 3

Reveal MATH®

AVAILABLE IN SPANISH



Mc Graw Hill

Student Practice Book
Sampler

Grade 3

Reveal MATH®

Student Practice Book **Sampler**

Every lesson has two additional practice pages to further build proficiency and confidence with the lesson concepts. Students can complete in the Student Practice Book or digitally with embedded learning aids and autoscoring.

This sampler includes the Student Practice Book pages from the following units:

Unit 2: Use Place Value to Fluently Add and Subtract within 1,000
Unit 3: Multiplication and Division

Mc Graw Hill

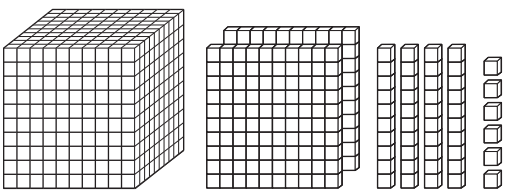
Lesson **2-1**

Additional Practice

Name _____

Review

You can use base-ten blocks and place-value charts to represent numbers.



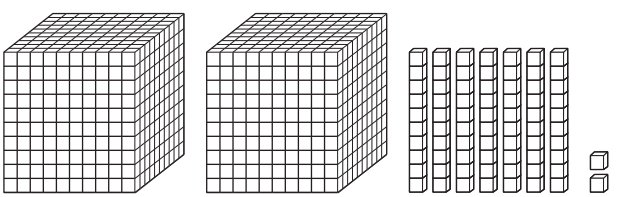
thousands	hundreds	tens	ones
1	2	4	6

Numbers can be written in different forms.

standard form	1,246
expanded form	1,000 + 200 + 40 + 6
word form	one thousand, two hundred forty-six

What number is represented by the base-ten blocks?

1.



thousands	hundreds	tens	ones

Represent the number in expanded form and standard form.

2. four thousand, seven hundred sixty-five

_____ _____

3. seven thousand, nine hundred six

_____ _____

4. six thousand, twenty-three

_____ _____

---

5. Mr. Chen has a bucket containing 2,721 nails that he can use for a home improvement project. What is the number of nails written in word form?

_____

6. Francine and her family drive 1,312 miles for a vacation. Emily and her family drive 1,212 miles for vacation. How can you use place value to determine the difference in the number of miles Francine and Emily's families drive on vacation?

7. How can you use the digits shown to write a number with the greatest possible value? Justify your reasoning.

4 8 6 2

Look for situations around your home where you can ask your child to write a number in expanded form. For example, if a book has 356 pages, you can ask your child how many hundreds, tens, and ones are in the number. Then, have him or her write the number in expanded form: 300 + 50 + 6.

Lesson **2-2**

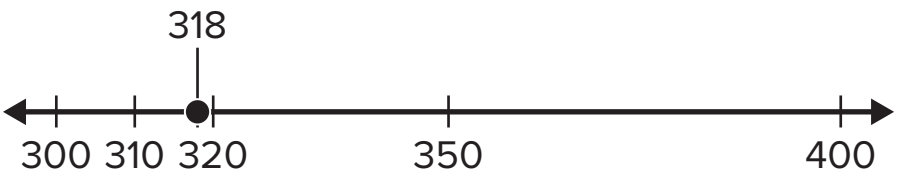
Additional Practice

Name _____

Review

You can round numbers to the nearest 10 or 100.

Use a Number Line



318 is to the right of the halfway point between 310 and 320. Round to 320 to the nearest 10.

318 is to the left of the halfway point between 300 and 400. Round to 300 to the nearest 100.

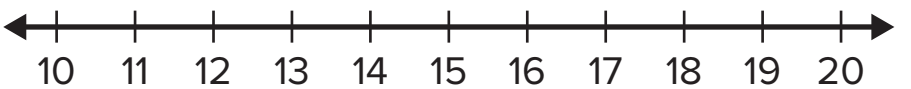
Use Place Value

31**8** → **320** The digit in the ones place is greater than 5. Round up to the nearest 10.

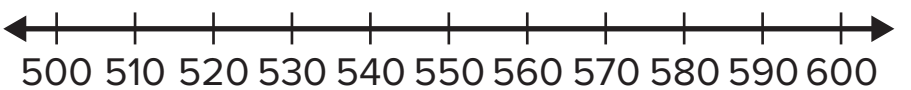
3**1**8 → 300 The digit in the tens place is less than 5. Round down to the nearest 100.

How can you use a number line to round?

1. Round 17 to the nearest ten. _____



2. Round 576 to the nearest hundred. _____



How can you use place value to round?

3. Round 525 to the nearest ten. _____

4. Round 415 to the nearest hundred. _____

---

5. How can you use a number line to round 137 to the nearest ten? Show your work.

6. Archie says that the number 654 can round to 660 and 600. Is his statement correct? Explain your reasoning.

7. A number rounded to the nearest ten is 820. Which numbers could it be? Choose all that apply.

A. 813 **B.** 815 **C.** 818

D. 824 **E.** 826 **F.** 827

Find different 2- and 3-digit numbers around your home by randomly flipping open to find a page in a book. Have your child practice rounding that page number to the nearest 10 and 100.

Lesson **2-3**

Additional Practice

Name _____

Review

You can estimate a sum or difference by using compatible numbers. You can find compatible numbers by rounding or by using other numbers close to the exact number.

Estimate the sum of 156 and 228.

One Way	*Another Way*
156 rounds to 160.	156 is close to 150.
228 rounds to 230.	228 is close to 225.
160 + 230 = 390	150 + 225 = 375

How can you estimate the sum or difference? Write or draw to show your thinking.

1. 681 + 189 = ?

2. 248 + 354 = ?

3. ? = 555 − 317

4. ? = 713 − 294

5. How can you use compatible numbers to find the sum of 346 + 472?

6. Quinn is reading a book with 788 pages. She is on page 329. About how many more pages does Quinn have left to read?

Explain your reasoning.

7. The three books in a series have 234 pages, 301 pages, and 293 pages. About how many pages are in the series? Explain your work.

8. Arica estimates she planted 400 seeds in her garden on Wednesday and Thursday. On Thursday, she planted 152 seeds. How many seeds could she have planted on Wednesday?

Choose all the correct answers.

A. She could have planted 100 seeds on Wednesday.

B. She could have planted 150 seeds on Wednesday.

C. She could have planted 200 seeds on Wednesday.

D. She could have planted 250 seeds on Wednesday.

Math @ Home Activity

While planning a trip, have your child estimate the difference, in miles, between two cities. Your child can also estimate differences during visits to the grocery store by comparing prices between two different brands or estimating how much change should be received from the cashier.

Lesson **2-4**

Additional Practice

Name _____

Review

You can add two or more numbers in any order and get the same result.

You can find 112 + 218 + 132 by adding 112 + 218 first, 112 + 132 first, or 218 + 132 first.

112 + 218 + 132 = **112** + **218** + 132 = **330** + 132 = 462

112 + 218 + 132 = **112** + **132** + 218 = **244** + 218 = 462

112 + 218 + 132 = **218** + **132** + 112 = **350** + 112 = 462

How can you make the equation true?

1. 111 + 222 = _____ + 111

2. _____ + 423 = 423 + 108

3. 289 + _____ = 71 + 289

4. 912 + 378 = 378 + _____

5. 465 + 512 + 306 = 512 + _____ + 465

6. 96 + 213 + _____ = 213 + 55 + 96

7. Mitchell collects post cards. He has 169 post cards from California, 273 post cards from New York, and 47 post cards from Iowa. Which expressions show how to find the total number of postcards? Choose all that apply.

A. 169 + 273 + 47 **B.** 273 + 47 − 169 **C.** 169 + 273 − 47

D. 273 + 47 + 169 **E.** 47 + 273 + 169 **F.** 74 + 273 + 169

How can you show one way to group these addends to solve?

8. 487 + 104 + 13

9. 178 + 234 + 522

10. 239 + 124 + 346

---

11. Rod adds the prices of three grocery bills to get a total of **$38** + **$44** + $52 = **$82** + $52 = $134. What is another way that Rod can add the bills and get the same total?

12. Two ropes have lengths of 34 feet and 52 feet. Jimmy uses 34 + 52 to find the total length of the ropes, and Camille uses 52 + 34 to find the total length of the ropes. Will Jimmy and Camille both find the correct total length? Explain.

13. Tina is adding 205 + 413 + 147 to find the total cost of three flights for her vacation. How could you arrange the addends differently? Explain your reasoning.

Math @ Home Activity

Have your child write 2- and 3-digit numbers on index cards. Then have him or her choose two or three index cards and find the sum of the numbers with the addends in different orders to show that the order of addends does not affect the sum.

Lesson **2-5**

Additional Practice

Name _____

Review

There are patterns in sums when the addends are even and odd numbers.

When you add two even numbers, the sum is even.

348 + 204 = 552 124 + 236 = 360 572 + 420 = 992

When you add two odd numbers, the sum is even.

421 + 123 = 544 615 + 187 = 802 259 + 301 = 560

When you add an even number and an odd number, the sum is odd.

602 + 157 = 759 517 + 322 = 839 243 + 406 = 649

What makes the statement true? Write *even* or *odd*. Then write 2 equations using 3-digit numbers to support your answer.

1. _____ + odd = even

2. odd = odd + _____

3. even + _____ = even

What is the sum? Use patterns to help justify your answer.

4. 312 + 287 = _____

5. 135 + 453 = _____

---

6. A piece of David's homework accidentally tore off. As his teacher was grading his work, she could see only that David wrote 43 as the last two digits of the sum 532 + 100. How can the teacher know that David's work is incorrect without looking at the hundreds place?

7. A screen on Evelyn's cell phone can hold an odd or an even number of apps. If she has an odd number of apps, how can she arrange them on 2 screens?

Roll three dice (or one die three times) and record the die values as a 3-digit number. For example, if 4, 6, and 2 are rolled, record 462. Do this twice. Have your child determine if the sum of the two numbers is even or odd.

Lesson **2-6**

Additional Practice

Name _____

Review

You can decompose addends by place value to find partial sums. Add partial sums to find the sum.

You can write the addends in a row.

$$417 + 266 = ?$$
$$400 + 200 = 600$$
$$10 + 60 = 70$$
$$7 + 6 = 13$$
$$600 + 70 + 13 = 683$$

You can stack the addends in the equation.

$$\begin{array}{rr} & 417 \\ & +\ 266 \\ \hline 400 + 200 & 600 \\ 10 + 60 & 70 \\ 7 + 6 & +\ 13 \\ \hline & 683 \end{array}$$

How can you decompose each addend? What is the sum?

1. $337 + 542 = ?$

2. $709 + 173 = ?$

3.
$$\begin{array}{r} 654 \\ +\ 97 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 259 \\ +\ 111 \\ \hline \end{array}$$

5. A trucking company transports 628 tons of cargo long distance and 189 tons of cargo locally. How many tons in total does the company transport? Decompose the addends.

6. Asha donated $354 to charities last year and another $422 this year. Did she meet her goal of donating $800? Explain how you know.

7. Miguel uses partial sums to add. Look at his work. What two numbers might have been the addends his original equation?

$$\_\_\_\_\_ + \_\_\_\_\_$$

$$200 + 500 = 700$$

$$20 + 10 = 30$$

$$8 + 9 = 17$$

$$700 + 30 + 17 = 747$$

Math @ Home Activity

Write 100 on 10 index cards, 10 on 20 cards, and 1 on 20 cards. Choose two 3-digit numbers to add. Have your child use the cards to decompose and add the numbers.

Lesson **2-7**

Additional Practice

Name _____

Review

You can decompose one number in a subtraction problem to find the difference.

Decompose using place value.

$417 - 266 = ?$
$417 - 200 = 217$
$217 - 60 = 157$
$157 - 6 = 151$

Decompose another way.

$417 - 266 = ?$
$417 - 217 = 200$
$200 - 40 = 160$
$160 - 9 = 151$

How can you decompose the number in 2 ways?

1. 629

2. 583

How can you decompose one number to subtract? Why did you choose that way?

3. $696 - 275$

4. $726 - 340$

How can you find the difference? Show the strategy you used.

5. 536 − 234 = _____

6. 854 − 426 = _____

7. 904 − 684 = _____

8. 623 − 363 = _____

9. A baker bakes 487 muffins for a party. 273 are banana muffins. The rest are blueberry muffins. How many blueberry muffins does she bake?

_____

_____

10. Ryan subtracts 739 − 574 by decomposing 574. She subtracts 4, then subtracts 500, and then subtracts 70. Will her answer be correct? Explain your reasoning.

Identify two house or building numbers in your neighborhood. Have your child subtract the two numbers using decomposition (using only the last 3 digits of the numbers if necessary).

Lesson **2-8**

Additional Practice

Name _____

Review

You can adjust numbers in addition and subtraction equations to make the equation easier to work with.

Adjust Addition Equations

$513 + 172 = ?$

-3 $+3$

$510 + 175 = 685$

Subtract from one addend and add that amount to the other addend.

Adjust Subtraction Equations

$369 - 125 = ?$

-5 -5

$364 - 120 = 244$

Subtract from or add the same amount to both numbers.

How can you adjust the equation by the given amount and solve it?

1. $362 - 142 = ?$ Adjust by adding 3.

2. $654 + 261$ Adjust by adding and subtracting 4.

How can you adjust the equation to solve?

3. 524 − 219 = ?

4. 622 + 207 = ?

5. 873 − 528 = ?

6. 432 + 534 = ?

7. Tianyu and Marissa are finding 477 + 239. Tianyu finds the sum by rewriting the expression as 480 + 236. Marissa claims that Tianyu's expression is wrong. She says the sum should be found by rewriting the expression as 476 + 240. Is Marissa correct? Explain.

Math @ Home Activity

Provide your child with subtraction and addition problems that use page numbers of a book he or she is reading. Encourage your child to explain the strategy used to find the difference or the sum.

Lesson **2-9**

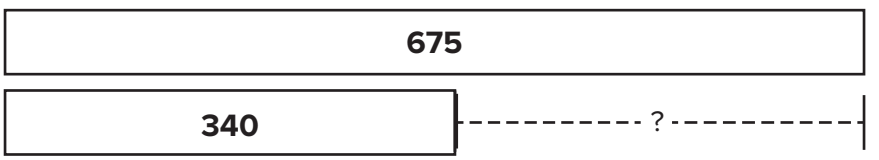
Additional Practice

Name _____

Review

You can use bar diagrams to represent situations involving addition and subtraction.

Brooke makes programs for a school play. She needs a total of 675 programs. She has made 340 programs. Use a bar diagram to represent this situation. How many more programs does Brooke need to make?



Write a subtraction and addition equation to represent the situation.

$675 - 340 = ?$ $340 + ? = 675$

$675 - 340 = 335$ $340 + 335 = 675$

Complete the problem.

1. Which equations are related to $736 - 314 = 422$? Circle all that apply.

A. $422 + 736 = 314$ **C.** $314 + 422 = 736$

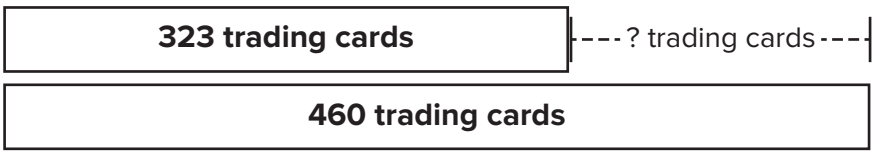
B. $736 - 422 = 314$ **D.** $736 + 314 = 422$

2. Which equations are related to $672 - 230 = 442$? Circle all that apply.

A. $230 + 442 = 672$ **C.** $672 - 442 = 230$

B. $672 + 230 = 442$ **D.** $442 + 230 = 672$

3. Braxton has 460 trading cards. He gives 323 cards to his brother. Which equation can Braxton use to find how many trading cards he has left?



A. 460 + ? = 323

B. 460 + 323 = ?

C. 323 − ? = 460

D. 460 − 323 = ?

---

4. A pet store has 235 fish for sale. In one day, they sell 140 fish. How many fish are left?

What subtraction equation represents the problem? What is an addition equation related to your subtraction equation?

_____ − _____ = _____

_____ + _____ = _____

5. Mrs. Walker has 480 books in her classroom. She gives 185 books to a new teacher. How many books does Mrs. Walker have left?

What subtraction equation represents the problem? What is an addition equation related to your subtraction equation?

_____ − _____ = _____

_____ + _____ = _____

Math @ Home Activity

Give your child two small handfuls of coins. Count the number of cents in each handful with your child. Have him or her write an addition equation to represent the total, followed by a related subtraction equation.

Lesson **2-10**

Additional Practice

Name _____

Review

You can use different strategies to find the sum when adding.

Partial Sums Use place value to decompose each addend.

$527 + 288 = ?$

$500 + 200 = 700$

$20 + 80 = 100$

$7 + 8 = 15$

$700 + 100 + 15 = 815$

$500 + 200$

$20 + 80$

$7 + 8$

$$\begin{array}{r} 527 \\ +\ 288 \\ \hline 700 \\ 100 \\ 15 \\ \hline 815 \end{array}$$

Adjust Addends Adjust addends to make them easier to add. Subtract from one addend and add that amount to the other.

$527 + 288$

$-2 \quad +2$

$525 + 290 = 815$

How can you find the sum?

1. $172 + 399 =$ _____

2. $509 + 411 =$ _____

3.
$$\begin{array}{r} 667 \\ +\ 219 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 574 \\ +\ 406 \\ \hline \end{array}$$

How can you find the sum? Explain your strategy choice.

5. 692 + 265 = _____

6. 443 + 534 = _____

---

7. Jacob and Raul race to a tree 359 feet away and then to a fence 242 feet away. How far do they race in all? Show how you found your answer.

8. Sarah is adding 171 + 258. She adds 2 to 258 to add 260 + 171. Then she adds 2 to the sum. Do you agree with her strategy? Explain.

9. Nikki biked 315 miles in June and 387 miles in July. How far did Nikki bike in June and July combined? Show how you found your answer.

Math @ Home Activity

On three index cards write *Decompose Both Addends Using Place Value, Adjust the Addends* and *Any Strategy*. Give your child two 3-digit numbers to add. Have your child chose one of the strategies to find the sum, then explain why he or she used that strategy.

Lesson **2-11**

Additional Practice

Name _____

Review

You can use different strategies to find the difference when subtracting.

Decompose One Number

$527 - 288 = ?$
$527 - 200 = 327$
$327 - 80 = 247$
$247 - 8 = 239$

Adjust Numbers

$527 - 288$
$+2 \quad +2$
$529 - 290 = 239$

Related Addition Equation

$527 - 288 = ?$
$527 - 288 = \mathbf{239}$

$288 + ? = 527$
$288 + \mathbf{239} = 527$

How can you find the difference? Explain your strategy.

1. $856 - 623 =$ _____

2. $719 - 321 =$ _____

3. At a bookstore, there are 387 fiction books and 652 history books. What equation could you use to find the difference between the number of fiction books and history books? Use the strategy of your choice to find the solution to your equation.

Your equation: _____

4. There are 514 adults and 301 children at a water park. What equation could you use to find the difference between the number of adults and the number of children? Use the strategy of your choice to find the solution to your equation.

Your equation: _____

5. Russell and Beth are asked to solve the equation 267 − 112. Russell rewrites the equation as 112 + _____ = 267. Beth rewrites the equation as 265 − 110 = _____. Which strategy is more efficient? Justify your answer.

Use a number cube to help your child practice subtracting 3-digit numbers at home. Have him or her roll a number cube three times to make a 3-digit number, and then make a second 3-digit number. Supply a dry erase board or piece of paper for your child to use to write and solve the subtraction.

Lesson **2-12**

Additional Practice

Name _____

Review

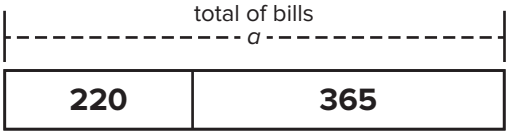
You can use bar diagrams to solve two-step problems.

Charlie has $810. He pays a $220 bill and a $365 bill. How much money does Charlie have left after he pays these two bills?

Step 1 Determine how much money Charlie needs to pay bills.

You can use an addition equation.

$220 + 365 = a$



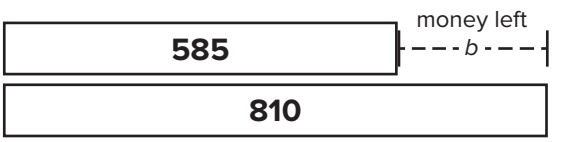
$220 + 365 = 585$

Charlie owes $585.

Step 2 Determine how much money Charlie has left.

You can use a subtraction equation.

$810 - 585 = b$

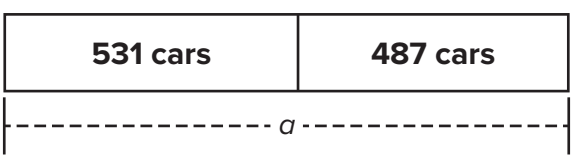


$810 - 585 = 225$

Charlie will have $225 left.

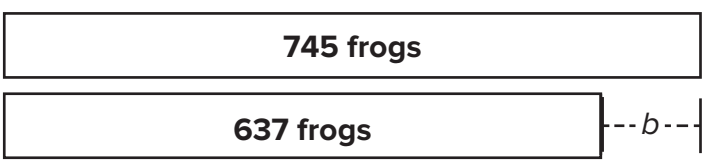
How can you write an equation to represent the bar diagram?

1.



_____

2.



_____

Represent and solve the problem. Use letters for the unknowns.

3. Blakely grows 847 zucchini. She sells 215 zucchini. She give away 140 zucchini. How many zucchini does she have left?

4. Tisha collects stamps. She has 612 stamps. Her mother gives her 131 more stamps. She then sells 107 of her stamps. How many stamps does she have now?

5. Victor is giving out flyers for a sporting event. He gave out 368 flyers. Then, he was given 248 more flyers to give out. If Victor now has 875 flyers, how flyers did he start with?

Math @ Home Activity

Write a two-step word problem for your child involving a family task such as shopping or paying bills. Have him or her explain the steps needed to find the solution.

Lesson **3-1**

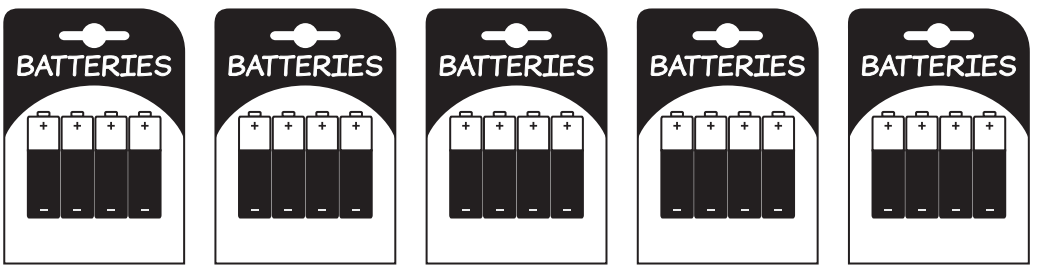
Additional Practice

Name _____

Review

You can multiply the number of equal groups by the number of objects in each group to find the total number of objects.

If Jay buys five 4-packs of batteries, he buys a total of 20 batteries. $5 \times 4 = 20$.



5 packs × 4 batteries per pack = 20 batteries in all

How can you use a drawing to represent the equal groups?

1. 4 equal groups of 6

2. 5 equal groups of 2

3. 2 equal groups of 8

4. What multiplication equation represents the equal groups?

5. Haley buys markers in packages of 4. How many markers are in 3 packages?

a. How can you draw a picture to represent the problem?

b. What equation represents the problem?

c. What is the solution? Fill in the blank.

There are _____ markers in 3 packages.

6. Randy earns money from walking dogs. He earns $5 for walking each of 6 dogs. How much does Randy earn? Explain how you know.

7. Finn fills an order for boxes of nails at 4 constructions sites. He orders the same number of boxes for each site. How many boxes of nails might he order? Explain how you know.

Math @ Home Activity

Find things around your home that come in packages, such as grocery items or batteries. Have your child write multiplication equations to find the total number of objects in a certain number of packages.

Lesson **3-2**

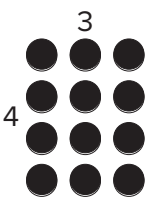
Additional Practice

Name _____

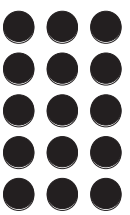
Review

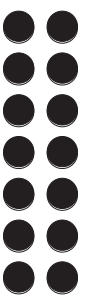
An array has rows of equal groups. To find the total number of objects in an array, you can multiply the number of rows by the number of columns.

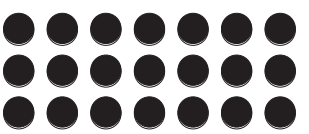
The array has 4 rows and 3 columns. The total number of objects is $4 \times 3 = 12$.

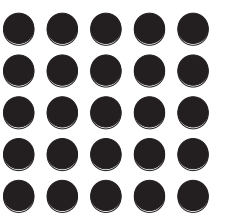


What multiplication equation represents the array?

1. 

2. 

3. 

4. 

5. How can you draw an array to represent $8 + 8 + 8 + 8 = 32$?

6. Mr. Bartlett's classroom has 5 rows of desks with 6 desks in each row. How many desks are in the classroom?

a. Draw an array to represent the problem.

b. What equation represents the problem?

c. What is the solution? Fill in the blank.

There are _____ desks in the classroom.

7. Elizabeth has a muffin tin with 4 rows. What array could represent the total number of muffins the tin holds? What equation would represent that array?

The muffin tin can hold _____ muffins.

Math @ Home Activity

Use pennies, index cards, marbles, or other objects of equal size and shape to make arrays with your child. For each array you make, have your child write and solve a multiplication equation.

Lesson **3-3**

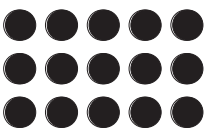
Additional Practice

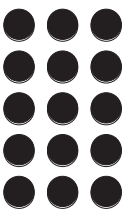
Name _____

Review

According to the Commutative Property of Multiplication, you can change the order of the factors in a multiplication equation and the product stays the same.

The arrays show that 3 × 6 has the same product as 6 × 3. Both 3 × 6 and 6 × 3 equal 18.





Draw representations to show that the products are equal.

1. 2 × 3 and 3 × 2

2. 8 × 3 and 3 × 8

3. 5 × 4 and 4 × 5

4. 6 × 7 and 7 × 6

5. Avery says that 2 × 7 and 7 × 2 have the same product. Is Avery correct? Explain.

6. Brett has 3 packs of 4 pens each, and Lindsey has 4 packs of 3 pens each. Draw equal groups to show that Brett and Lindsey have the same number of pens. What multiplication equation matches what each person has?

Brett: _____	**Lindsey:** _____

7. Arturo cut 6 pieces of rope that are each 5 feet long. Kim cut 5 pieces of rope. If they both cut the same total amount of rope, how long were the pieces that Kim cut? Explain.

8. Thomas needs to set up 35 chairs in equal rows for a talent show. He sets up 5 equal rows of 7 chairs. Is there another way he can set up the chairs in equal rows? Explain.

Math @ Home Activity

Look for arrays of objects around your home with your child. For example, you might find a dresser with 2 columns of 3 drawers each, ceiling tiles in 4 rows of 5, or a muffin tin with 3 rows of 4 cups. For each array you find, have your child write two multiplication equations.

Lesson **3-4**

Additional Practice

Name _____

Review

You can divide by sharing objects equally among groups.

Start with 18 counters and equally share them among 3 groups. Each group gets 6 counters. 18 ÷ 3 = 6.

How can you draw a representation for each equation? How can you complete the equation?

1. 30 ÷ 6 = _____

2. 14 ÷ 2 = _____

3. 20 ÷ 5 = _____

4. 21 ÷ 3 = _____

5. How can you write a division equation for the representation?

Draw a representation. Then solve the problem.

6. There are 16 balloons for a celebration. The balloons are shared equally among 4 tables. How many balloons are at each table?

There are _____ balloons at each table.

7. Jaxon has 12 bracelets to share among his 4 friends. How many bracelets does each friend get?

Each friend gets _____ bracelets.

8. A hotel has 28 rooms that need to be cleaned. If 4 housekeepers each clean the same number of rooms, will there be any rooms left over? Justify your answer.

Math @ Home Activity

Use groups of objects around your home to help your child practice division by equal sharing. Starting with a number of objects, ask your child to determine how many each person would receive when the objects are shared equally among a certain number of people. Be sure that the total number of objects is a multiple of the number of sharing groups to avoid having a remainder. Your child can make groups with the objects to help divide, and then write a division equation that describes the groups.

Lesson **3-5**

Additional Practice

Name _____

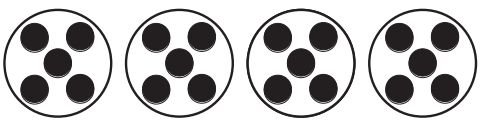
Review

You can divide by separating objects into groups of equal size.

Create equal groups of 8 until you reach a total of 24. The representation shows that there are 3 groups of 8 in 24, so $24 \div 8 = 3$.

What division equation represents the equal grouping?

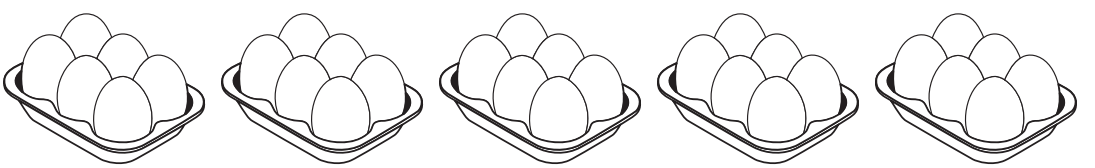
1.



2.

3.

4.



Draw a representation. Then write an equation to describe the problem.

5. There are 20 pencils in a box. Each student gets 2 pencils. How many students are there?

There are _____ students.

6. Sherice has 24 books to give away. If Sherice wants to give 3 books to each friend, how many people will receive books?

Sherice can give books to _____ friends.

7. Emil makes 21 baked goods for a bake sale. He puts an equal number of baked goods on each plate. How many plates does Emil need? Justify your answer.

Math @ Home Activity

Have your child write math riddles about different animals and the number of legs they have. For example, "Some Emperor penguins are huddled in a group for warmth. They have a total of 16 legs. How many penguins are there?" Have your child determine the answer by drawing equal groups. Then have him or her write a division equation to match the equal grouping.

Lesson **3-6**

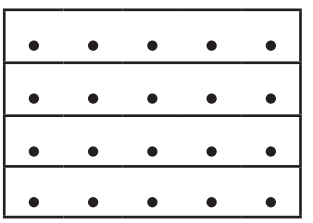
Additional Practice

Name _____

Review

You can use arrays or equal groups to show how multiplication and division are related.

The array can be used to write related multiplication and division equations.



4 groups of 5 = 20
4 × 5 = 20

20 divided by 4 = 5
20 ÷ 5 = 4

How can you draw equal groups for the equations?

1. 3 groups of 3 = 9
9 divided by 3 = 3

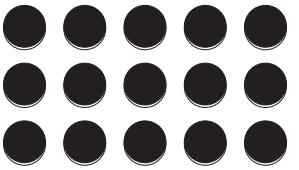
2. 4 × 2 = 8
8 ÷ 4 = 2

How can you draw an array for the equations?

3. 5 groups of 2 = 10
10 divided by 5 = 2

4. 2 × 7 = 14
14 ÷ 2 = 7

What multiplication and division equations can you write for the representation?

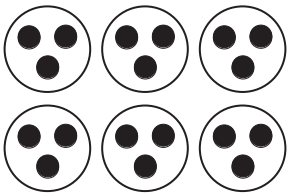
5. 

_____

_____

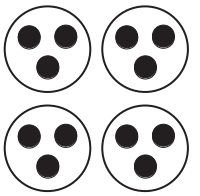
6. How can you write a related division equation?

$6 \times 3 = 18$



7. How can you write a related mutliplication equation?

$12 \div 4 = 3$



---

8. Henry divides 90 nails equally into 10 containers. How can you write multiplication and division equations that can help Henry determine how many nails to put into each container?

9. Ms. Miller has 56 sheets of color paper to give to her students. There are 8 students, and each student gets the same amount of paper. How can you use the multiplication equation $8 \times 7 = 56$ to find out how many sheets of paper each student should get?

10. Raelyn has 33 red beads and 21 blue beads. She mixes the beads together and uses 6 beads for each key chain she makes. What multiplication equation and division equation can help Raelyn determine how many key chains she can make?

Math @ Home Activity

Write multiplication and corresponding division equations on index cards. Have your child identify matching pairs of index cards that have related multiplication and division equations on them. For example, the equations $3 \times 4 = 12$ and $12 \div 3 = 4$ are a match. To make it more challenging, remove one number from each equation and replace it with the ? symbol.

Lesson **3-7**

Additional Practice

Name _____

Review

You can use equal groups or arrays to find the unknown in a multiplication or division equation.

Evie has 15 toy cars in boxes. There are the same number of cars in each box.

Group Size Unknown

Evie has 15 toy cars in 3 boxes.

How many toy cars are in each box?

$15 \div 3 = \square$

$3 \times \square = 15$

5 toy cars

Number of Groups Unknown

Evie has 15 toy cars in boxes. There are 5 toy cars in each box.

How many boxes does she use?

x	x	x	x	x
x	x	x	x	x
x	x	x	x	x

$\square \times 5 = 15$

$15 \div 5 = \square$

3 boxes

Draw a representation to find the unknown.

1. $7 \times$ _____ $= 42$

2. _____ $\times 3 = 24$

3. $5 \times$ _____ $= 25$

Draw a representation. Write an equation and find the unknown.

4. Greg has 32 plates. He wants to place an equal number of plates at 4 tables. How many plates should be placed at each table?

5. Chris has 30 ounces of water that he wants to divide equally to water 5 plants. How much water does each plant get?

6. Mandy and 6 of her teammates each sold an equal number of shirts to raise money for their tennis team. If a total of 56 shirts were sold, how many shirts did each person sell?

7. Tia and Elliot need to find the number that makes this equation true: $6 = 3 \times \square$. Tia says it is 2. Elliot says it is 18. Who do you agree with? How could you draw a representation to support your answer?

Math @ Home Activity

Have your child practice creating equal groups by using cups and small objects, such as dry beans or pennies. Start with a total number of objects and ask your child to determine how many should be in each cup if they are divided equally into a certain number of cups. Be sure that the objects can be divided equally by starting with a total that is a multiple of the number of cups.

Grade 3

Reveal MATH®

Student Practice Book **Sampler**

Every lesson has two additional practice pages to further build proficiency and confidence with the lesson concepts.

Students can view the Math Replay video, which is available in the Student Digital Center and recaps the lesson concept for the student, to support them as they complete the Student Practice Book.

When students complete the additional practice digitally, they have access to embedded learning aids, such as course resources, hints, and videos, for support. Autoscoring helps teachers easily monitor progress.

Mc Graw Hill

S2.1023604