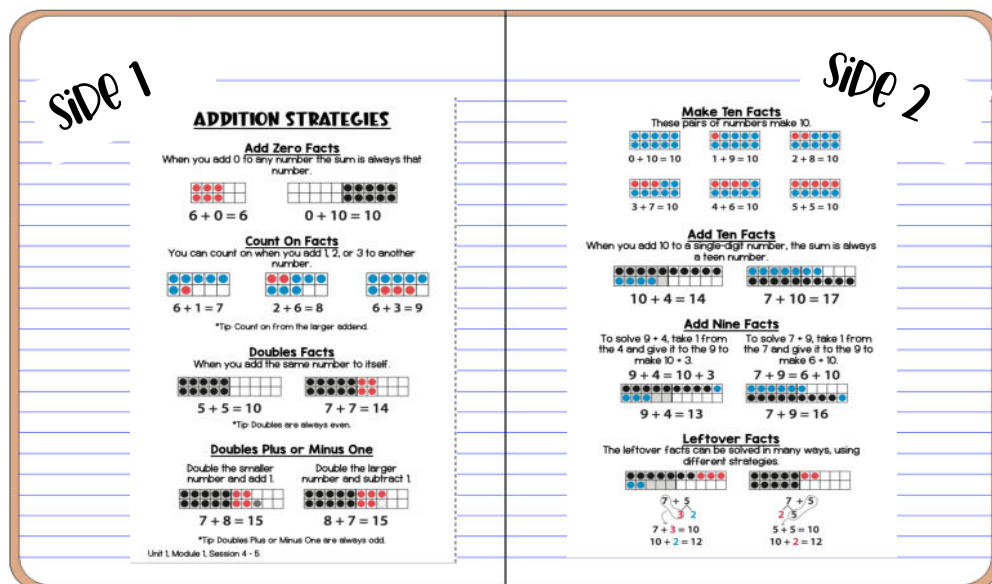# BRIDGES 3RD GRADE UNIT 5

Student Notebook/Journal Pages

TEACHER NOTES:

- This file contains student notebook pages for Bridges Grade 3 Math, Unit 5.

- These pages were designed to help differentiate based on student needs and allow students to go back and review key concepts.

- These pages are made to fit in any size notebook (composition or spiral). Simply cut on the dotted line and glue on necessary pages inside notebook.

Side 1

Side 2

ADDITION STRATEGIES

Add Zero Facts
When you add 0 to any number the sum is always that number.

6 + 0 = 6   0 + 10 = 10

Count On Facts
You can count on when you add 1, 2, or 3 to another number.

6 + 1 = 7   2 + 6 = 8   6 + 3 = 9

*Tip Count on from the larger addend.

Doubles Facts
When you add the same number to itself.

5 + 5 = 10   7 + 7 = 14

*Tip Doubles are always even.

Doubles Plus or Minus One

Double the smaller number and add 1.   Double the larger number and subtract 1.

7 + 8 = 15   8 + 7 = 15

*Tip Doubles Plus or Minus One are always odd.

Unit 1, Module 1, Session 4 - 5

Make Ten Facts
These pairs of numbers make 10.

0 + 10 = 10   1 + 9 = 10   2 + 8 = 10

3 + 7 = 10   4 + 6 = 10   5 + 5 = 10

Add Ten Facts
When you add 10 to a single-digit number, the sum is always a teen number.

10 + 4 = 14   7 + 10 = 17

Add Nine Facts
To solve 9 + 4, take 1 from the 4 and give it to the 9 to make 10 + 3.   To solve 7 + 9, take 1 from the 7 and give it to the 9 to make 6 + 10.

9 + 4 = 10 + 3   7 + 9 = 6 + 10

9 + 4 = 13   7 + 9 = 16

Leftover Facts
The leftover facts can be solved in many ways, using different strategies.

7 + 5   7 + 5

7 + 3 = 10   5 + 5 = 10
10 + 2 = 12   10 + 2 = 12

Note: If you want to fit the whole page on a single notebook page, you will need to either print 2 copies per page OR scale the page down to 80%.

DIVISION

Story Problem:

Equation:

Array model:

DIVISION

DIVISION

Story Problem:

There was a party with 36 balloons. At the end of the party, every kid got to take 4 balloons home. How many kids were at the party?

Equation:

Array model:

DIVISION

Story Problem:

There was a party with 36 balloons. At the end of the party, every kid got to take 4 balloons home. How many kids were at the party?

Equation:

Array model:

GAME STORE PROBLEMS, PART 1

Game Store Problem 1

Unit 5, Module 1 | Session 4

Rosa bought 32 marbles at the game shop. The marbles came in bags of 8. How many bags of marbles did she buy?

Show your work.

Game Store Problem 1

Unit 5, Module 1 | Session 4

Rosa bought 32 marbles at the game shop. The marbles came in bags of 8. How many bags of marbles did she buy?

Show your work.

Game Store Problem 2

The Snowboard and Ski computer games will be available this Friday. Three friends want the Snowboard Game, and 4 friends want the Ski Game. The Snowboard Game costs $11.00 and the Ski Game costs $15.00. How much money will your friends spend in all?

Show your work.

Game Store Problem 2

The Snowboard and Ski computer games will be available this Friday. Three friends want the Snowboard Game, and 4 friends want the Ski Game. The Snowboard Game costs $11.00 and the Ski Game costs $15.00. How much money will your friends spend in all?

Show your work.

GAME STORE PROBLEMS, PART 2

Game Store Problem 3
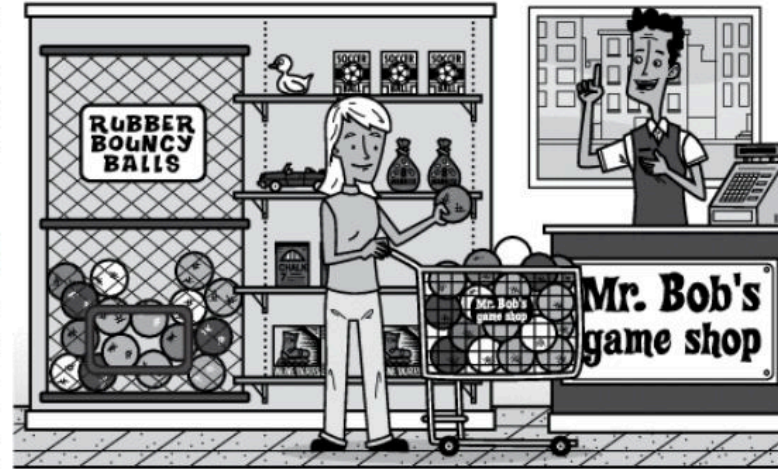
Sally is buying 18 bouncy balls. She will split them evenly between 3 children. How many bouncy balls will each child get?

Show your work.

Game Store Problem 4

Juan bought some packages of sidewalk chalk. There were 7 pieces of chalk in each package and 42 pieces of chalk in all. How many packages did Juan buy?

Show your work.

Game Store Problem 4

Juan bought some packages of sidewalk chalk. There were 7 pieces of chalk in each package and 42 pieces of chalk in all. How many packages did Juan buy?

Show your work.

GUIDELINES FOR WRITING STORY PROBLEMS

1. Make an interesting, challenging problem
   - More than one step
   - More than one operation
   - Division with regrouping
   - Extra information

2. Don't give away the answer

3. Use factors between 3 and 15

4. Products or dividends should be under 125

5. Give the reader enough information to solve your problem

**Reminder: If it takes less than a minutes to solve it's probably too easy. If you can't solve it yourself, it's too hard

GAME STORE PROBLEMS, PART 3

Game Store Problem 5

Kate went to the game store with her dad. They needed to replace game markers for their board games at home. There were 7 small bags at the register with 8 game markers in each. If they bought 3 bags, how many markers would they have in all?

Show your work.

Game Store Problem 5

Kate went to the game store with her dad. They needed to replace game markers for their board games at home. There were 7 small bags at the register with 8 game markers in each. If they bought 3 bags, how many markers would they have in all?

Show your work.

WRITING GOOD STORY PROBLEM ANSWERS

o Show your thinking step by step. Tell people what you did first, then second, then third, etc.

o You can use pictures, numbers, or words to show your work. You need to use at least 2 of these ways to be clear.

o Use equations to show how you solved the problem. Be sure to use the right symbols. (+, -, ×, ÷, =)

o If you draw pictures, be sure to label them so everyone knows what they mean. Also be sure to make them neat and use the same symbol for each thing.

o Use neat handwriting, and don't forget your name.

DIVISION STORY PROBLEMS

1. If I had 24 cookies and I wanted to divide them evenly among 6 children, how many cookies would each child get?

2. Emma had 35 baseball cards. She divided them into 5 equal rows. How many were in each row?

3. John has 35 marbles. He is going to put them into piles of 5. How many piles of marbles can John make?

4. Seven candles fit into each treat bag. Jerry has 56 pieces of candy. How many treat bags can Jerry make?

5. Our families are coming to school for a math night. Each cafeteria table holds 8 people. We have 48 people coming. How many tables will we need?

6. Mrs. Gorman has 28 tape measures and she wants to put the same number of tape measures in each toolkit. She has 9 toolkits. How many tape measures will each kit get? Will there be any left over?

DIVISION STORY PROBLEMS

1.

2.

3.

4.

5.

6.

DIVISION STORY PROBLEMS

1.

2.

3.

4.

5.

6.

TRUE OR FALSE?

1. 10 = 2 x 5 True or False	7. 10 ÷ 2 = 15 ÷ 3 True or False
2. 3 x 4 = 4 x 3 True or False	8. 2 + 4 = 6 + 9 = 15 True or False
3. 4 x 5 = 10 x 3 True or False	9. 14 = 2 x ☐
4. 2 x 6 = 3 x 4 True or False	10. 12 ÷ 2 = 2 x ☐
5. 15 ÷ 3 = 2 x 4 True or False	11. 1 x ☐ = 14 ÷ 2
6. 2 x 2 = 10 ÷ 2 True or False	12. 2 x ☐ = ☐

TRUE OR FALSE?

TRUE OR FALSE?

1.	7.
2.	8.
3.	9.
4.	10.
5.	11.
6.	12.

TRUE OR FALSE?

1.	7.
2.	8.
3.	9.
4.	10.
5.	11.
6.	12.

MORE STORY PROBLEMS

1. Write your own story problem to fit this equation: 7 x 5 = m

2. Write your own story problem to fit this equation: 35 ÷ 5 = n

3. Ms. Rowan has 6 tables in her classroom, and 24 students. If she divides the students evenly among the tables, how many students will sit at each table?

4. Teresa has 24 stickers in her sticker book. Each page holds 6 stickers. How many pages does her sticker book have?

5. Steve baked 36 cookies. He put 4 cookies in each bag. How many bags of cookies did he have?

6. Craig gave his sister 4 boxes of new markers. She was happy to get 36 new markers. How many markers were in each box, if each box held exactly the same number of markers?

7. Ms. Allyn was getting ready for a math investigation. Each student needed 8 paperclips. She had 32 paperclips. How many students were able to d the investigation?

Unit 5, Module 3, Session 1

MORE STORY PROBLEMS

1.

2.

3.

4.

5.

6.

7.

MORE STORY PROBLEMS

1.

2.

3.

4.

5.

6.

7.

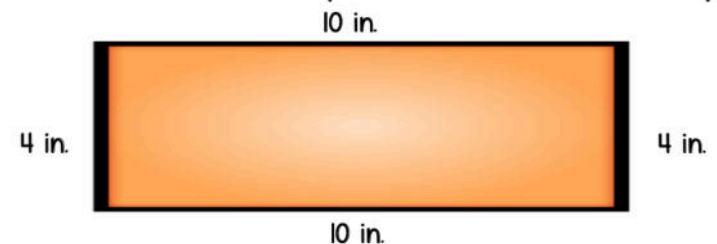# AREA & PERIMETER CHART

AREA
the amount of space inside a shape
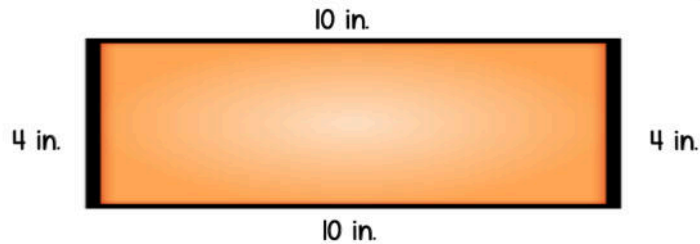
10 in.

4 in.   4 in.

10 in.

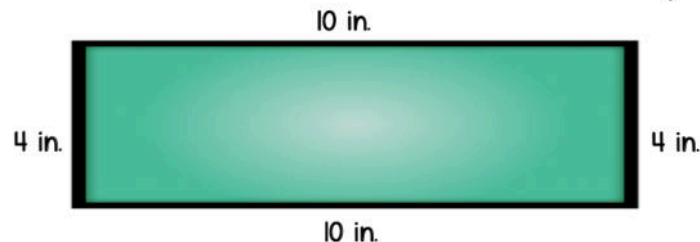Multiply length by width to solve for area of rectangles and squares

10 in. x 4 in.= 40 in.^{2}
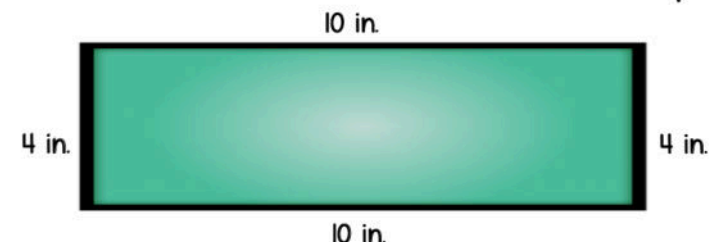
PERIMETER
the total distance around a shape

10 in.

4 in.   4 in.

10 in.

Add up all of the sides to solve for perimeter

10 in. + 10 in. + 4 in. + 4 in. = 28 in.

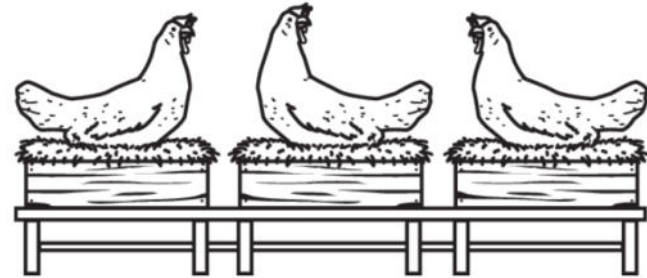Original Source: The 5ᵗʰ Grade Renegade

AREAS FOR CHICKENS

Barbara has three chickens: Ruby, Verna, and Bella. She takes excellent care of "the girls." When they aren't scratching in the yard looking for bugs, grubs, and worms, they enjoy the pen and chicken house Barbara built for them. Most mornings at least two of them lay eggs.
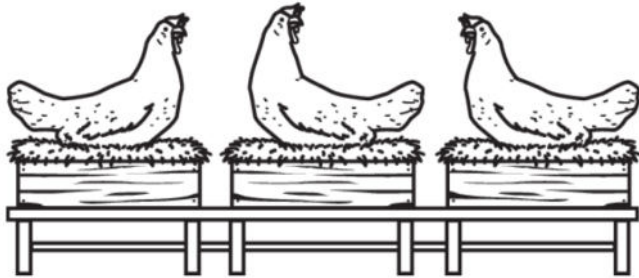
The chickens' pen is 6 feet wide and 10 feet long. The chicken house is 5 feet wide and 6 feet long. How much of Barbara's back yard area is taken up by the pen and chicken house together?