

RATIOS

Task Cards

Students will be able to solve real-world problems using ratios.



6.RP.1 Understand the concept of a ratio and use ratio language to describe a ratio relationships between two quantities.

6.RP.3 Use ratio and rate reasoning to solve real-world and mathematical problems.



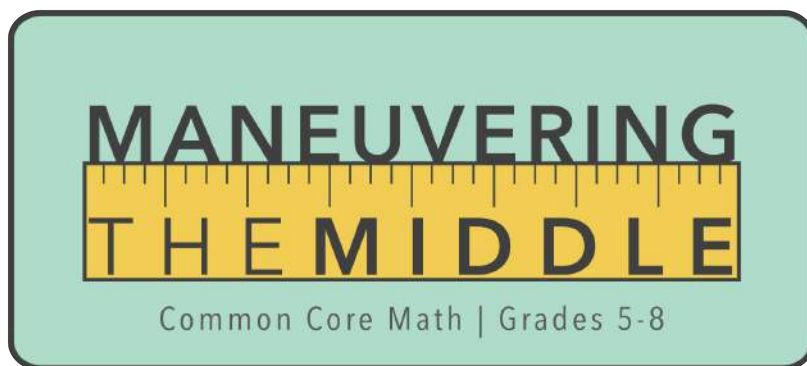
6.4B Apply qualitative and quantitative reasoning to solve prediction and comparison of real-world problems involving ratios and rates.

6.5A Represent mathematical and real-world problems involving ratios and rates using scale factors, tables, graphs, and proportions.

Ideas for Implementation: Task cards are excellent for classroom practice. Students get hands-on practice and there are many activities to play with these cards. Scoot and relay races are two ideas. These cards are printable in black-and-white or color.

Teacher Tips: Print on cardstock or laminate to keep cards lasting. You can store them in plastic baggies or on binder rings.

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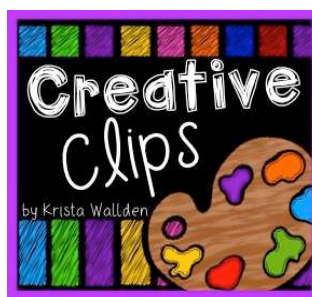
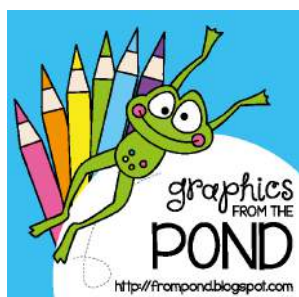
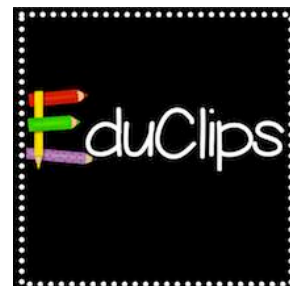
THANKS & TERMS OF USE

Thank you for your purchase! I hope that you find this helpful in your classroom. Please feel free to contact me with any questions as you implement this in your class.

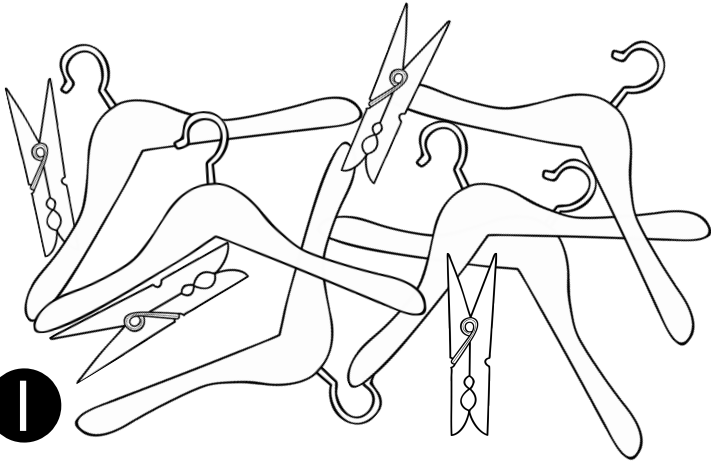
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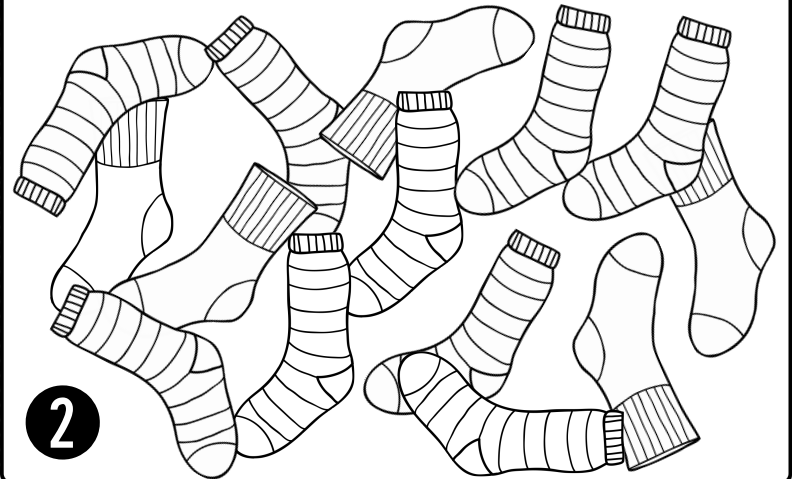
FONTS & GRAPHICS



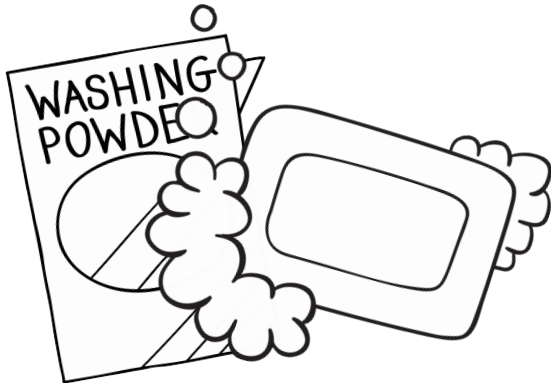
What is the ratio of hangers to clothespins at Lloyd's Local Laundry?



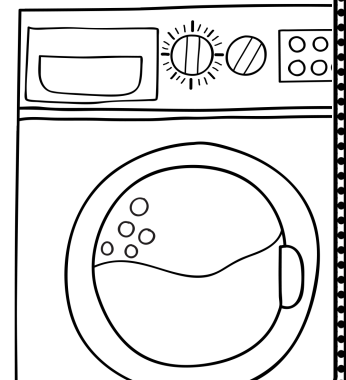
What is the ratio of striped socks to solid socks?



It takes two scoops of detergent for every three scoops of fabric softener. If there are 28 scoops of detergent left, how many scoops of fabric softener are needed?



The ratio of minutes to dry and minutes to wash is 4:3. How many minutes will a load need to wash it if takes 56 minutes to dry?



What is the ratio of vowels to consonants?

MATHEMATICS

5

What is the ratio of consonants to letters?

SEPTEMBER

6

What is the ratio of syllables to vowels?

ANCiLLARY

7

What is the ratio of consonants to syllables?

PTERODACTYL

8

In your class, what is the ratio of students wearing jeans to students not wearing jeans?

9

In your class, what is the ratio of people wearing blue shirts to people wearing white shirts?

10

In your classroom, what is the ratio of chairs to tables?

11

In your classroom, what is the ratio of computers to students?

12

A pet store has a ratio of 5 birds for every 4 hamsters. Which combination of birds and hamsters could the pet store have?

- A. 15 hamsters and 12 birds
- B. 24 hamsters and 30 birds
- C. 35 birds and 24 hamsters

1 3

A local nursery carries 2 shrubs for every 7 pots of flowers. Which combination of shrubs and flowers could the nursery carry?

- A. 6 shrubs and 42 pots of flowers
- B. 10 shrubs and 35 pots of flowers
- C. 6 pots of flowers and 21 shrubs

1 4

Earl's Electronics carries iPhones and Androids. They stock them at a ratio of 9:4. Which combination of iPhones and Androids could they carry?

- A. 81 iPhones and 36 Androids
- B. 72 Androids and 32 iPhones
- C. 45 iPhones and 25 Androids

1 5

A textbook company sells teacher editions and student editions in package deals. Each package includes 3 teacher editions for every 65 student editions. Which combination of books could a school order?

- A. 9 teacher to 260 student editions
- B. 12 teacher to 325 student editions
- C. 12 teacher to 260 student editions

1 6

The ratio on a keyboard of number keys to letter keys is 5:13. If a manufacturer produced 156 letter keys, how many number keys would need to be produced?

17

Walter is fencing in his backyard. For every 25 fence boards, he needs 3 metal posts. How many metal posts will he need for 200 fence boards?

18

Ariana is baking chocolate chip cookies for a bake sale. For every 3 cups of flour, she needs 2 cups of sugar. How many cups of sugar will she need if she has measured out 18 cups of flour?

19

Frametastic produces picture frames in rectangular shapes. The ratio of the length to the height in inches is 7:5. What would be the length of a frame that is 15 inches in height?

20

On a spelling test, Lucy got 4 out of 5 correct. If Lucy got 20 questions correct, how many questions did she miss?

2 1

Jack and Jill are saving for their first car. Jack saves \$7 for every \$10 Jill saves. If Jill has \$350 in her savings account, how much money has Jack saved?

2 2

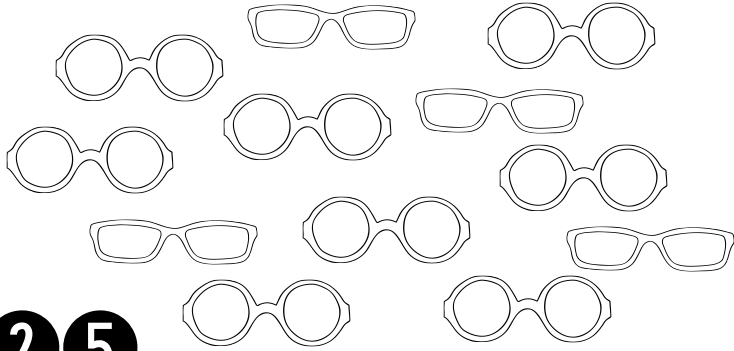
There are 84 boys in the sixth grade and 72 girls. Jerod says that the ratio of girls to boys is 6:7. Is he correct? Why or why not?

2 3

An airline runs 156 domestic flights and 34 international flights each day from a particular airport. A passenger states that the ratio is 39 to 9. Is the passenger correct? Why or why not?

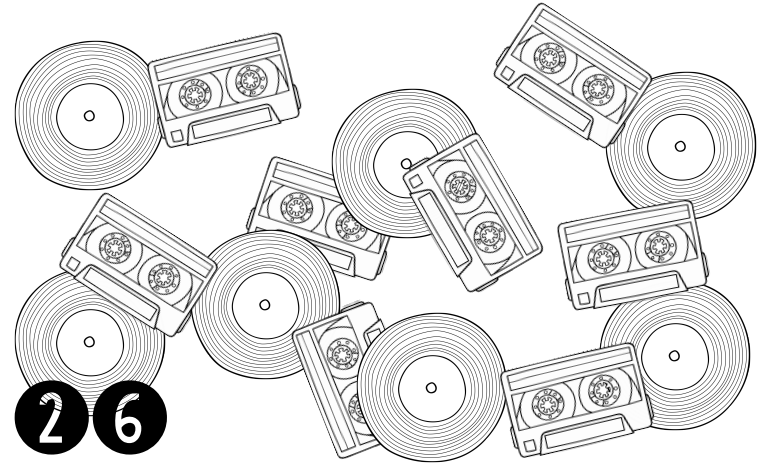
2 4

What is the ratio of round glasses to rectangular glasses at Vinny's Vintage?



2 **5**

What is the ratio of cassettes to records?



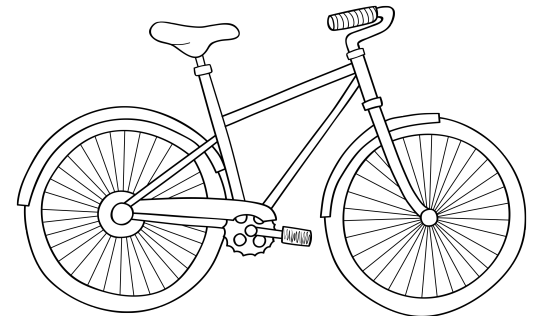
2 **6**

Vinny has decided to order high tops in black and white at a 5:8 ratio. He believes he will need a total of 169 pairs. How many black high tops will he order?



2 **7**

Four out of five customers ride their bikes. On Saturday, there were 18 customers who came in without riding their bikes. How many rode their bikes?



2 **8**

RATIO TASK CARD ACTIVITY

Show your work for each problem in the correct box.

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

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Show your work for each problem in the correct box.

1 3:2	2 9:5	3 42 scoops of fabric softener	4 42 minutes to wash
5 4:7	6 2:3	7 4:3	8 2:1
9 Answer Varies	10 Answer Varies	11 Answer Varies	12 Answer Varies

13 B	14 B	15 A	16 C
17 60 number keys	18 24 metal posts	19 12 cups of sugar	20 21 inches long
21 5 questions incorrect	22 \$245	23 No, the correct ratio would be 7:6 boys to girls	24 No, the correct ratio would be 78:17 domestic to international
25 2:1	26 8:7	27 65 black high tops	28 72 bike riders