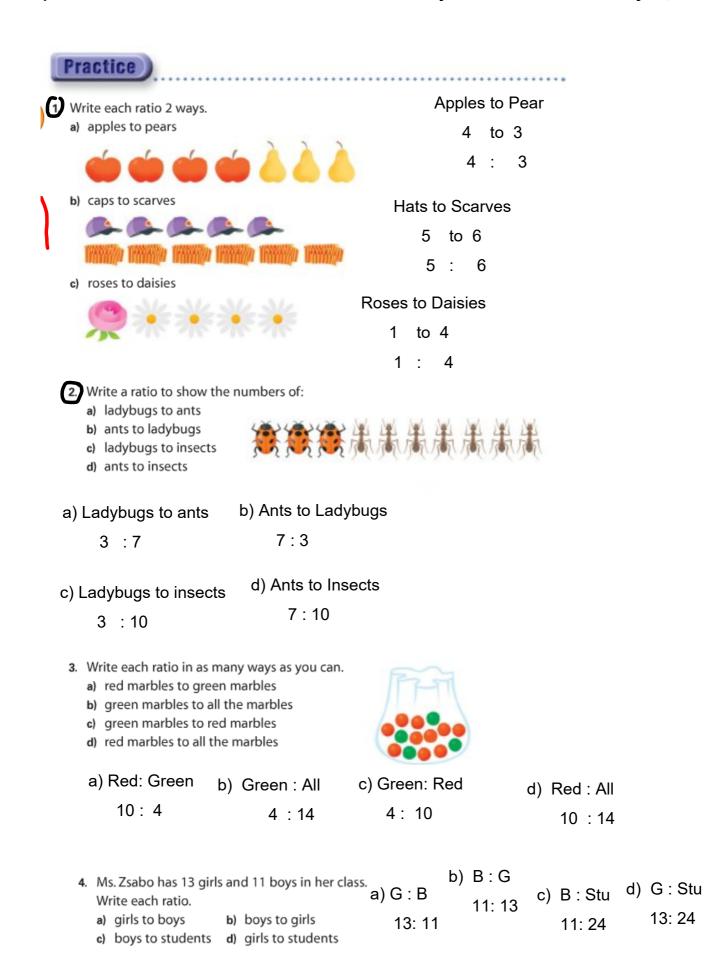
Warm up Grade 6

Chapter 5
Lesson 4 Day 2

Date: Jan lb

Example: There are 5 pups, 2 are boys, and 3 are girls





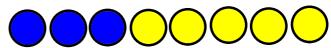
- 5. What is being compared in each ratio?
 - a) 3:4 Cats: Dogs b) 4/7 Dogs: Pets
 - c) 3 to 7 Cats: Pets
- d) 4:3 Dogs: Cats



3 to 5

6. Use counters to model the ratio 3:5 in 2 different ways.

Draw diagrams to record your work. Explain each diagram.



Blue : whole Yellow : whole

3: 8

5:8

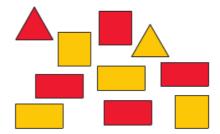
Write 4 different ratios for this picture. Explain what each ratio compares.

X:O O:X X: Total blanks

O: Total blanks

2: 9

- 3:2 2:3 3: 9
- A penny can show heads or tails.
 Place 10 pennies in a cup. Shake and spill.
 Write as many ratios as you can for the pennies.
- **9.** Write a ratio to show the numbers of:
 - a) triangles to squares 2:3
 - b) squares to rectangles 3:4
 - c) triangles to all shapes 2:10
 - d) red shapes to yellow shapes 5:5
 - e) yellow triangles to yellow rectangles 1:2
 - f) red triangles to yellow squares 1:2





10. Write as many ratios as you can for the trail mix recipe. Explain what each ratio compares.





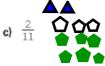
Raisins: nuts: papaya: Seeds

1 : 3 : 2 : 1

11. Use 11 counters to show each ratio. Sketch counters to record your work.

a) 5:6

b) 8 to 3



Triangle: all shapes

d) 6:11

Green Pentagons: all shapes



stars: face



Flower: Rainbow



- 1. What is the ratio of skidoo's to four wheelers?
- 2. What is the ratio of four wheelers to skidoo's?
- 3. What is the ratio of skidoo's to all the vehicles?
- 4 What is the ratio of four wheelers to all vehicles?





What is being compared in each ratio?

1. 8:4

Slice of Pizza: Burgers

2. 8: 12 pizza:whole

3. 4:12 H: Whole 4. 4:8 Ham to pizza 4

When you divide it is reducing

$$\frac{E_X}{5} = \frac{3}{5} \times 5 = \frac{15}{25}$$

Add to you notes with the war some in 1

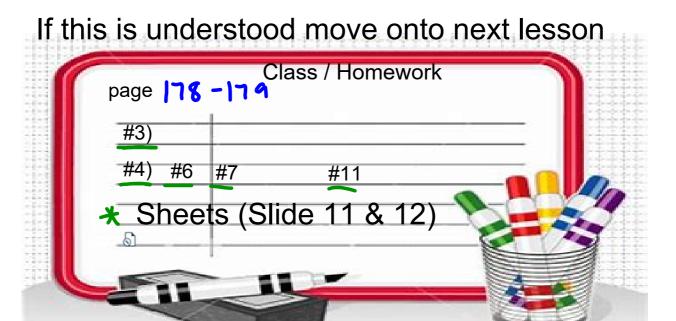
Reduce the following fractions

a)
$$\frac{12+3}{27+3}\frac{4}{9}$$
 b) $\frac{1}{14}\frac{1}{14}=\frac{1}{3}$ c) $\frac{30}{38}$

c)
$$\frac{20}{28} \stackrel{?}{?}_{?}^{2} = \frac{10}{19} \stackrel{?}{?}_{?}^{2} = \frac{5}{7}$$

 $\frac{20}{28} \stackrel{?}{?}_{?}^{4} = \frac{5}{7}$

Reducing Ratios Similar to reducing fractions



Practice

- 1. Write each ratio 2 ways.
 - a) apples to pears



b) caps to scarves



c) roses to daisies



- 2. Write a ratio to show the numbers of:
 - a) ladybugs to ants
 - b) ants to ladybugs
 - c) ladybugs to insects
 - d) ants to insects



- 3. Write each ratio in as many ways as you can.
 - a) red marbles to green marbles
 - b) green marbles to all the marbles
 - c) green marbles to red marbles
 - d) red marbles to all the marbles



- 4. Ms. Zsabo has 13 girls and 11 boys in her class. Write each ratio.
 - a) girls to boys
- b) boys to girls
- c) boys to students d) girls to students

Chapter 5 Fractions Ratios Percents Lesson 4 Ratios day 2 Okeefe.noteboolanuary 16, 2020

- 5. What is being compared in each ratio?
 - a) 3:4
- b) $\frac{4}{7}$
- c) 3 to 7
- d) 4:3

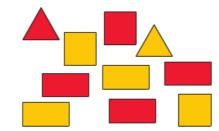


Use counters to model the ratio 3:5 in 2 different ways.
 Draw diagrams to record your work.
 Explain each diagram.

7. Write 4 different ratios for this picture. Explain what each ratio compares.



- A penny can show heads or tails.
 Place 10 pennies in a cup. Shake and spill.
 Write as many ratios as you can for the pennies.
- 9. Write a ratio to show the numbers of:
 - a) triangles to squares
 - b) squares to rectangles
 - c) triangles to all shapes
 - d) red shapes to yellow shapes
 - e) yellow triangles to yellow rectangles
 - f) red triangles to yellow squares





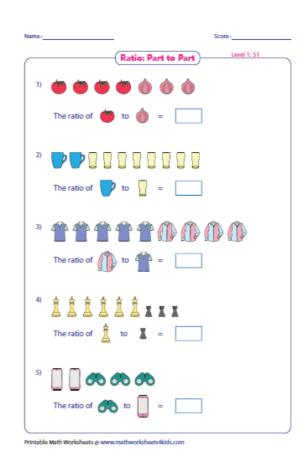
10. Write as many ratios as you can for the trail mix recipe. Explain what each ratio compares.



11. Use 11 counters to show each ratio. Sketch counters to record your work.

- a) 5:6
- b) 8 to 3
- c) $\frac{2}{11}$
- d) 6:11

Ratio in Three Ways: Part to Part Shoot 1		
Write the ratio in three different ways.		
1) Books to pens		
	Words :	
	Ratio :	
	Fraction :	
Pumpkins to cabbages		
0 0 0 0	Words :	
0000	Ratio :	
	Fraction :	
3) Spiders to ladybugs		
****	Words :	
	Ratio :	
**	Fraction :	
Apples to mangosteens		
	Words :	
****	Ratio :	
	Fraction :	
5) Snow cones to chocolates		
A. A. Ø Ø Ø	Words :	
- A A A	Ratio :	
7 7	Fraction :	



Name:	Score :		
Teacher:	Date :		
Find the Ratios			
0 0 <th>What is the ratio of Simplified ♡ to ♣ ? =: What is the ratio of + to (♡+♣)?</th>	What is the ratio of Simplified ♡ to ♣ ? =: What is the ratio of + to (♡+♣)?		
0000000++ 0000000++ 0000000++ 0000000++	What is the ratio of : = : = : = : What is the ratio of		
	What is the ratio of		
+++++++++000 ++++++++000 ++++++++000	What is the ratio of Simplified ♣ to ♠ ? = : = : = :		



