

Are You Ready?

7th Grade week 5

Review**Simplest Form**

To write a fraction in simplest form, divide the numerator and the denominator by the greatest common factor (GCF).

A ratio is in simplest form when the greatest common factor of the numerator and the denominator is 1.

Example 1

There are 15 adults and 55 students on a field trip. Write the ratio of adults to students as a fraction in simplest form.

$$\frac{15}{55}$$

$$\frac{15 \div 5}{55 \div 5}$$

$$\frac{3}{11}$$

Write the fraction.

Divide by
the GCF, 5.

Simplify.

Example 2

There are 7 girls and 8 boys that are going on a bike ride. Write the ratio of girls to boys in simplest form.

$$\frac{7}{8}$$

Write the fraction.

$\frac{7}{8}$ is in simplest form since the GCF of 7 and 8 is 1.

Exercises

At the close of the day at a food stand, the following items remained: 7 hot dogs, 4 coney dogs, 3 bags of chips, 6 bags of peanuts, 2 bags of popcorn, and 12 packs of sunflower seeds. Write each ratio as a fraction in simplest form.

1. coney dogs to hot dogs

1. _____

2. bags of chips to bags of peanuts

2. _____

3. bags of popcorn to packs of sunflower seeds

3. _____

4. hot dogs to bags of peanuts

4. _____

5. bags of popcorn to hot dogs

5. _____

6. bags of chips to packs of sunflower seeds

6. _____

7. bags of peanuts to coney dogs

7. _____

8. hot dogs to bags of chips.

8. _____

Are You Ready?

Practice

Write each ratio as a fraction in simplest form.

Brent's Cycle Shop	
Motorcycles	35
Mopeds	5
Four Wheelers	11
Dirt Bikes	7

- | | |
|--------------------------------|-----------|
| 1. motorcycles : mopeds | 1. _____ |
| 2. motorcycles : four wheelers | 2. _____ |
| 3. motorcycles : dirt bikes | 3. _____ |
| 4. mopeds : motorcycles | 4. _____ |
| 5. mopeds : dirt bikes | 5. _____ |
| 6. four wheelers : motorcycles | 6. _____ |
| 7. four wheelers : dirt bikes | 7. _____ |
| 8. dirt bikes : motorcycles | 8. _____ |
| 9. dirt bikes : mopeds | 9. _____ |
| 10. dirt bikes : four wheelers | 10. _____ |

Determine whether the ratios are equivalent.

Explain.

- | | |
|---|-----------|
| 11. 11 out of 14 students biked to school,
22 out of 28 students biked to school | 11. _____ |
| 12. 3 out of 10 children played outside,
4 out of 11 children played outside | 12. _____ |
| 13. 6 music CDs to 8 DVDs,
18 music CDs to 24 DVDs | 13. _____ |

Are You Ready?

Apply

<p>1. TRAVEL Kimberly traveled to her friend's house and went 300 miles in 5 hours. On her way home she took a different route and traveled 420 miles in 7 hours. Are these ratios equivalent?</p>	<p>2. TOMATOES On Monday Janine picked 20 tomatoes off 4 tomato plants. On Thursday she picked 15 tomatoes off 3 tomato plants. Determine whether the ratios are equivalent.</p>						
<p>3. BASKETBALL Daniel's basketball team won 23 games and lost 8 games. Write the ratio of wins to losses in simplest form.</p>	<p>4. MUSIC Mr. Jansen listened to 8 songs in 28 minutes. He later listened to 5 songs in 21 minutes. Determine whether the ratios are equivalent.</p>						
<p>5. MOVIE ATTENDANCE Friday night's movie attendance is shown in the table. Write the ratio of males to females in simplest form.</p> <table border="1" data-bbox="365 1501 889 1633"> <thead> <tr> <th colspan="2">Friday's Movie Attendance</th> </tr> </thead> <tbody> <tr> <td>Males</td> <td>58</td> </tr> <tr> <td>Females</td> <td>72</td> </tr> </tbody> </table>	Friday's Movie Attendance		Males	58	Females	72	<p>6. MOVIE ATTENDANCE Use the table in Exercise 5 to write the ratio of females to the total number of people attending Friday night's movie in simplest form.</p>
Friday's Movie Attendance							
Males	58						
Females	72						

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Khan Academy Notes

Unit _____

Name _____

Date _____

Topic _____

Questions you may have????????????????

Practice Questions. Write the question and your answer ☺

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i-Ready My Weekly i-Ready Online Instruction Progress



Name: _____

Date Range: _____ to _____

Subject
(Click one to select)

Directions: From your i-Ready student dashboard, click on the My Progress button in the top right corner of the page. Review your My Progress page and use that information to track your progress below.

Lesson Name	Date	Score	Passed/ Not Passed	One thing I learned in this lesson...	Questions I have on this lesson... (if no questions leave this blank)

My time on task was _____ minutes.

I passed _____ out of _____ lessons.

One thing I need to keep in mind for next week:

Family Signature (optional): _____



Name: _____ Date: _____

Song or Video Note-Taking Chart

Song Name: _____

Important word, term or event	Line from song that includes word, term or event	Definition of word/term or Explanation of event
1.	↑	↑
2.	↑	↑
3.	↑	↑
4.	↑	↑
5.	↑	↑
6.	↑	↑
7.	↑	↑
8.	↑	↑
9.	↑	↑
10.	↑	↑