

Goal: To identify features of the *Interactive Pupil Edition*

1 Start the *Interactive Pupil Edition*. Click **Chapter 4** of the Grade 6 textbook.

2 Click Section 4.3 **Activity**. Scroll to the second page of the activity. The green *Practice* icon will link you to the listed practice exercises.

Click the **Practice** icon.

The screenshot shows a digital textbook interface. The main page is titled 'Section 4.3 Comparing and Ordering Fractions, Decimals, and Percents' and is page 161. It contains a table of equivalent values and a 'Practice' icon. A secondary window titled 'Practice and Problem Solving' is open, showing exercises 4 through 21. A red callout box points to the 'Practice' icon with the text 'Click here to access the practice exercises.'

75%	$\frac{3}{4}$	$\frac{1}{3}$	$\frac{3}{10}$	0.3	25%	0.4	0.25	100%	0.27
0.75	$66\frac{2}{3}\%$								
0	30%								
1	0.01								

Practice and Problem Solving
Tell which number is greater.

- 0.9, 95%
- 20%, 0.02
- $\frac{37}{50}$, 37%
- 50%, $\frac{13}{25}$
- 0.086, 86%
- 76%, 0.67
- 60%, $\frac{5}{8}$
- 0.12, 1.2%
- 17%, $\frac{4}{25}$
- 140%, 0.14
- $\frac{1}{3}$, 30%
- 80%, $\frac{7}{9}$

Use a number line to order the numbers from least to greatest.

- 38%, $\frac{8}{25}$, 0.41
- 68%, 0.63, $\frac{13}{20}$
- $\frac{43}{50}$, 0.91, $\frac{7}{8}$, 84%
- 0.15%, $\frac{3}{20}$, 0.015
- 2.62, $2\frac{2}{5}$, 26.8%, 2.26, 271%
- $\frac{87}{200}$, 0.44, 43.7%, $\frac{21}{50}$

Practice Use what you learned about ordering numbers to complete Exercises 4–7, 16, and 17 on page 164.

Section 4.3 Comparing and Ordering Fractions, Decimals, and Percents 161

IDENTIFY FEATURES OF THE INTERACTIVE PUPIL EDITION

3

From the *Chapter 4* menu, click Section 4.5 **Lesson**. Scroll to the *Fair Game Review* at the end of the exercises. The *Fair Game Review* has links that access previously learned material to review the concepts needed to answer the questions.

Which estimate is closer to the actual amount of the discount? Explain.

Fair Game Review What you learned in previous grades & lessons

Write the fraction in simplest form. [SKILLS REVIEW HANDBOOK](#)

36. $\frac{20}{25}$ 37. $\frac{15}{18}$ 38. $\frac{42}{48}$ 39. $\frac{8}{28}$

40. **MULTIPLE CHOICE** Which number is not equal to $\frac{36}{100}$? [SECTION 4.1](#) [SECTION 4.2](#)

(A) $\frac{18}{50}$ (B) 0.36% (C) $\frac{9}{25}$ (D) 0.36

4

From the *Chapter 4* menu, click Section 4.3 **Lesson**. The *Now You're Ready* icon in the lower left hand corner will link you to the listed exercises in the exercise set. Click the **Now You're Ready** icon.

4.3 Lesson

English Spanish

EXAMPLE 1

Study Tip
It is usually easier to order decimals or percents.

Practice and Problem Solving

Tell which number is greater.

4. 0.9, 95% 5. 20%, 0.02 6. $\frac{37}{50}$, 37% 7. 50%, $\frac{13}{25}$

8. 0.086, 86% 9. 76%, 0.67 10. 60%, $\frac{5}{8}$ 11. 0.12, 1.2%

12. 17%, $\frac{4}{25}$ 13. 140%, 0.14 14. $\frac{1}{3}$, 30% 15. 80%, $\frac{7}{9}$

Use a number line to order the numbers from least to greatest.

16. 38%, $\frac{8}{25}$, 0.41 17. 68%, 0.63, $\frac{13}{20}$

18. $\frac{43}{50}$, 0.91, $\frac{7}{8}$, 84% 19. 0.15%, $\frac{3}{20}$, 0.015

20. 2.62, $2\frac{2}{5}$, 26.8%, 2.26, 271% 21. $\frac{87}{200}$, 0.44, 43.7%, $\frac{21}{50}$

Write 79% as a decimal: $79\% = \frac{79}{100} = 0.79$

0.79 is greater than 0.08. So, 79% is the greater number.

On Your Own

1. Which is greater, 25% or $\frac{7}{25}$? 2. Which is greater, 0.49 or 94%?

Now You're Ready
Exercises 4–15

On Your Own: Follow the steps to navigate to a section from a quiz.

- Start the *Interactive Pupil Edition*.
- Click **4.4–4.5 Quiz**.
- Click **(Section 4.4)** next to the first direction line of the quiz.
The link will bring you back to Section 4.4 to review the material.

4.4–4.5 Quiz

Find the percent of the number. [\(Section 4.4\)](#)

1. 25% of 40
2. 15% of 80
3. 24% of 60
4. 12% of 35
5. 235% of 14
6. 120% of 88

Estimate the percent of the number. [\(Section 4.5\)](#)

7. 51% of 83
8. 9% of 79
9. 24% of 45
10. 96% of 66
11. 82% of 94
12. 77% of 220

13. SHOPPING You went to the mall with \$80. You spent 25% of your money on a pair of shorts and 65% of the remainder on sandals. How much did you spend on the sandals? Explain how you found your answer. [\(Section 4.4\)](#)

14. TAXI You want to give a taxi driver a 20% tip. About how much should you tip the driver? [\(Section 4.5\)](#)

15. TOURNAMENT Your volleyball team pays a tournament entry fee of \$350. When your team withdraws before the start of the tournament, 75% of the entry fee is refunded. How much money does your team get back?

Click here to access Section 4.4.

IDENTIFY THE “CHECK IT OUT” ICONS IN THE INTERACTIVE PUPIL EDITION

3

From the *Chapter 4* menu, click Section 4.5 **Lesson**. Scroll down to the first page of the exercises. The *Check It Out – Help with Homework* icon in the upper right hand corner will link you to a *Help with Homework* page. Click the **Check It Out – Help with Homework** icon.

The screenshot shows a web browser window displaying the '4.5 Exercises' page. In the top right corner, there is a 'Check It Out Help with Homework BigIdeasMath.com' icon. A red callout box with an arrow points to this icon, containing the text: 'Click here to access Homework Help.' Below the icon, there is a 'Concept Check' section with two questions: '3. 38%' and '4. 93%'. Below these are three buttons: '37', '22% of 39', and '9% of 83'. A small window is open over the page, showing a 'Check It Out Help with Homework BigIdeasMath.com' icon and a list of options: 'Want help with a vocabulary word? Multi-Language Glossary', 'Want help with the examples? Lesson Tutorials', 'Want to review a prior skill? Skills Review Handbook or Basic Skills Handbook', and 'Want to check your answers? Selected Answers'. A cartoon cat with a 'HELP!' speech bubble is also visible in the small window.

4

From the *Chapter 4* menu, click Section 4.3 **Study Help**. The *Check It Out – Graphic Organizer* icon in the upper right hand corner will link you to a blank graphic organizer. Click the **Check It Out – Graphic Organizer** icon.

The screenshot shows a web browser window displaying the '4 Study Help' page. In the top right corner, there is a 'Check It Out Graphic Organizer BigIdeasMath.com' icon. A red callout box with an arrow points to this icon, containing the text: 'Click here to access the Graphic Organizer.' Below the icon, there is a text block: 'You can use a **summary triangle** to explain a concept. Here is an example of a summary triangle for writing a percent as a fraction.' Below this text is a yellow triangle divided into three horizontal sections. The top section contains the text 'Writing a percent as a fraction'. The middle section contains the text 'Write the percent as a fraction with a denominator of 100. Then simplify if possible.' Below the triangle is a small window showing a blank graphic organizer, which is a yellow triangle divided into three horizontal sections.

IDENTIFY THE “CHECK IT OUT” ICONS IN THE INTERACTIVE PUPIL EDITION

5

From the *Chapter 4* menu, click **Chapter Review**. The *Check It Out – Vocabulary Help* icon in the upper right hand corner will link you to the **PuzzleView** software. Here you can review the vocabulary from the chapter by completing a crossword puzzle. Click the **Check It Out – Vocabulary Help** icon.

4 Chapter Review

English Spanish

Check It Out Vocabulary Help BigIdeasMath.com

Click here to access Vocabulary Help.

Across

1. A number that is written using the base-ten place value system. Each place value is ten times the place value to the right.
7. A decimal that repeats a pattern of one or more digits.
9. The numbers 0, 1, 2, 3, 4.
10. To approximate a number to a given place value.
11. A line whose points are associated with numbers that increase from left to right.

Down

2. An approximate solution to a problem.
3. An estimate that is greater than the exact answer.
4. A number in the form a/b where b is not equal to 0.
5. A number that has a whole number part and a fraction part.
6. An estimate that is less than the exact answer.
7. Two numbers whose product is 1.
8. The number of parts per one hundred.

Exercises

ctions (pp. 148–153)

$20 \times 5 = 100$. So, multiply the numerator and denominator by 5.

Write the numerator with a percent symbol.

6

From the *Chapter 4* menu, click **Chapter Test**. The *Check It Out – Test Practice* icon in the upper right hand corner will link you to a practice test. Click the **Check It Out – Test Practice** icon.

4 Chapter Test

English Spanish

Check It Out Test Practice BigIdeasMath.com

Click here to access a practice test.

Name: _____

Chapter 4 Test

Multiple Choice
Identify the choice that best completes the statement or answers the question.

Write the percent as a fraction or mixed number in simplest form.

1. 0.7%

a. $\frac{7}{10,000}$ c. $\frac{7}{10}$

b. $\frac{7}{1000}$ d. $\frac{7}{100}$

2. So far, 22% of the flights you make with your remote control robotic flying toy stay in the air for longer than one minute. What *fraction* of flights is this?

3. $\frac{7}{5}$

6. 25.7%

9. 0.5854

On Your Own: Follow the steps to the *Check It Out – Progress Check* icon.

- Start the *Interactive Pupil Edition*.
- From the *Chapter 4* menu, click **4.1–4.3 Quiz**.
- Click the **Check It Out – Progress Check** icon.
- Complete the practice quiz.

The screenshot shows a web browser window displaying a quiz titled "4.1–4.3 Quiz". The quiz contains several problems:

- Write the fraction as a percent. (Section 4.1)**
 - $\frac{3}{20}$
 - $\frac{11}{8}$
 - $\frac{1}{16}$
- Write the percent as a decimal. (Section 4.2)**
 - 34%
 - 0.12%
 - 62.5%
- Write the decimal as a percent. (Section 4.2)**
 - 5.35
 - 0.685
- Order the numbers from least to greatest. (Section 4.3)**
 - 3%, 0.3
 - 42%, 0.43, $\frac{17}{40}$

Below the main quiz, a "Check It Out Progress Check" window is open. It includes a "Name:" field and a "Multiple Choice" section with the instruction: "Identify the choice that best completes the statement or answers the question." The multiple choice questions are:

- Write the percent as a fraction or mixed number in simplest form.
 - 2.5%
 - $\frac{1}{400}$
 - $\frac{1}{50}$
 - $\frac{1}{4}$
 - $\frac{1}{40}$
 - 0.7%
 - $\frac{7}{10,000}$
 - $\frac{7}{1000}$
 - $\frac{7}{10}$
 - $\frac{7}{100}$

At the bottom of the window, there is a question about soccer goals and a diagram of a soccer field.