

Download File PDF Big Ideas Math Chapter5 5 4 Answers

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Name: Kew Date: _____

Chapter 15 Test Study Guide

Write the percent as a decimal: $\frac{2}{100} = 0.02$

1. $\frac{3}{100} = 0.03$

2. A teacher weights the final grade as follows: $\frac{1}{5}$ for homework, $\frac{2}{5}$ for a project, 0.4 for quizzes, and 15% for the final exam. Order these categories from least weighted to greatest weighted.

Final exam: 15%, Project: 40%, Homework: 20%, Quizzes: 25%

In Exercises 4-6, use the table.

| Question | 6th-graders | 7th-graders | 8th-graders |
|---|-------------|-------------|-------------|
| Participate in sports? | 15% | 18% | 22% |
| Participate in other school activities? | 33% | 45% | 11.44% |

4. Which category in the table shows the least portion?
6th graders in sports (15%)

5. Which is greater, the percent of 7th-graders or 8th-graders participating in other school activities?
7th graders (45%)

6. Your friend says that at least twice as many 7th-graders participate in other activities as play sports. Is this true? Explain.
7th graders: 45%
8th graders: 11.44%
45% is not at least twice 11.44%.
45% is 3.9 times 11.44%.

Write and solve a proportion to answer the question.

7. What number is 43% of 60?
 $\frac{43}{100} = \frac{x}{60}$
 $43 \cdot 60 = 100x$
 $x = 25.8$

8. 48 is what percent of 160?
 $\frac{48}{160} = \frac{x}{100}$
 $48 \cdot 100 = 160x$
 $x = 30\%$

9. 8 is 0.5% of what number?
 $\frac{8}{100} = \frac{0.5}{100} \cdot x$
 $800 = 0.5x$
 $x = 1600$

10. What percent of 130 is 182?
 $\frac{182}{130} = \frac{x}{100}$
 $18200 = 130x$
 $x = 140\%$

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