

Chapter Test

Form A

Chapter 5

Write each ratio in simplest form.

~~1~~ $\frac{6}{45}$

~~2~~ $\frac{60}{45}$

~~3~~ 21 : 49

Find the unknown quantity.

4. There are 17 players per team. Find the number of players on 8 teams.

- ~~5~~ There are 12 buttons per phone. Find the number of phones if there are 156 buttons.

6. Eleven shirts cost \$137.50. Find the cost per shirt.

For 7–9, write each ratio two other ways.

~~7~~ $\frac{5}{7}$

8. 8 to 3

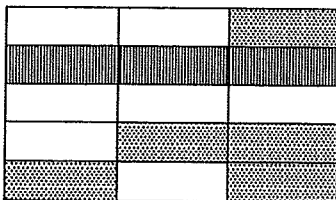
~~9~~ 10:12

10. A school notebook costs \$3.50. How much do three school notebooks cost?

- ~~11~~ A 12-pack of water costs \$10. A 4-pack of water costs \$4. Which is a better buy?

12. A grocery store sells 8 boxes of cereal bars for \$18. What is the unit price of a box of cereal bars?

For 13–15, use the figure below.



- ~~13~~ Find the ratio of the dotted box region to the whole region.

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Chapter Test (continued)

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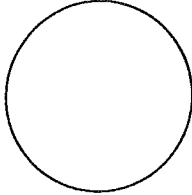
Use any method to find each answer.

30. 43% of 156

~~31.~~ 18% of 49

32. 68% of 99

~~33.~~ Sketch a circle graph for 45%, 25%, 15%, 10%, 5%.



Estimate each percent.

34. 26.5% of 212

~~35.~~ 48% of 375

36. 31.5% of 81

37. Liz paid \$42 for a new bike. This was 35% of the original price. What was the original price of the bike?

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