

NAME: Key

Period: SCORE: / = % =

HW 8-2

Int 1

Percent Proportion

Unit 8

Find the actual answer. No estimating. Round your answers to the nearest hundredth.

1) 65% of 186

120.9

5) 5.4% of 65

3.51

9) 0.15% of 250

0.375
or 0.38

2) 45% of \$432

6) 23.5% of 128

10) 210% of 79

3) 130% of 20

26

7) $5\frac{1}{2}\%$ of 60

3.3

11) 0.28% of 50

0.14

4) 32% of 4

8) $20\frac{1}{4}\%$ of 3

12) Suppose there are 20 questions on a multiple choice test. If 25% of the answers are choice B, how many of the answers are NOT choice B?

13) A family pays \$19 each month for Internet access. Next month the cost will increase by 15% because of an equipment fee. After this increase, what will be the cost for the Internet access?

\$21.85

Solve each of the following use a percent proportion. Round your answers to the nearest hundredth and label when necessary.

14) What percent of 33.5 is 21?

39.47%

18) 58% of what is 63.4?

15) What percent of 38 is 15?

52.93 miles

19) 79% of 67 miles is what?

16) 4% of 73 is what?

20) What is 59% of 14 m?

17) 28% of 63 is what?

17.64

21) 112 minutes is 76% of what?

147.37 minutes

Solve each of the following use a percent proportion. Round your answers to the nearest hundredth and label when necessary.

22) What is 16% of 43 minutes?

24) \$73 is what percent of \$125?

23) What is 170% of 97 tons?

164.9 tons

25) What is 90% of 130 inches?

117 inches

26)

27) What percent of 180.4 minutes is 25.7 minutes?

14.25%

28) 90% of 54.4 hours is what?

29) A pair of sneakers is on sale for \$51. This is 75% of the original price. What was the original price of the shoes?

\$68.00

30) Of the 60 books on a bookshelf, 24 are nonfiction. What percent of the books are nonfiction?

31) Jamie and Michelle scored 48% of their team's points. If their team had a total of 50 points, how many points did they score?

24 points