

Chapter 2 test REVIEW

Write each decimal as a fraction or mixed number in simplest form.

1. 0.73 $\frac{73}{100}$

2. 21.98 $21 \frac{98}{100} \div 2 = 21 \frac{49}{50}$

Write each fraction or mixed number as a decimal.

3. $\frac{1}{2}$ $\frac{1 \times 50}{2 \times 50} = \frac{50}{100} = 0.50$

4. $16\frac{1}{10}$ 16.10

Write each percent as a fraction in simplest form.

5. 12% 0.12 $\frac{12}{100} \div 2 = \frac{6}{50}$

Write each fraction as a percent.

6. $\frac{9}{25}$ $\frac{9 \times 4}{25 \times 4} = \frac{36}{100} = 36\%$

Express the percent as a decimal.

7. 4% 0.04

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

8. 195% 1.95 $1 \frac{95}{100} \div 5 = 1 \frac{19}{20}$

9. 0.07% 0.0007 $\frac{7}{10,000}$

Write the percent as a decimal.

10. 568% 5.68

11. 0.26% 0.0026

Write each fraction as a percent.

12. $\frac{13}{50}$ $\frac{13 \times 2}{50 \times 2} = \frac{26}{100}$ 500% + 26% = 526%

Write each decimal as a percent.

13. 8.3 830%

14. 0.008 0.8%

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Replace each \bigcirc with $<$, $>$, or $=$ to make a true statement.

15. $\frac{6}{7} \bigcirc \frac{4}{5}$

$$\frac{6 \times 5}{7 \times 5} = \frac{30}{35}$$

$$\frac{4 \times 7}{5 \times 7} = \frac{28}{35}$$

16. $\frac{3}{4} \bigcirc 0.76$

0.75

Order the set of numbers from least to greatest.

17. 0.23, $\frac{23}{50}$, 0.5

$$\frac{23 \times 2}{50 \times 2} = \frac{46}{100} = 0.46$$

0.23, 0.46, 0.5

0.23, $\frac{23}{50}$, 0.5

Estimate each percent.

18. 14% of 203
15% of 200

$$\frac{15 \times 2}{100} = \frac{30}{200}$$

14% of 203 is about 30

19. Find 90% of 910

0.90 x 910 = 819

Express the decimal as a percent.

20. 0.546

54.6%

21. Find 220% of 635

Exact →

2.20 x 635 = 1397

22. Lisa makes \$42,000 in one year and her boss tells her she will receive a 5% raise next year, how much can she expect to make next year?

part $\frac{\$2,100}{\$42,000} = \frac{5}{100}$
whole

$$\$42,000 + \$2,100$$

= \$44,100

23. Cathy has a jar of marbles of various colors. She knows that she has 30 green marbles in the jar. If 12% of the marbles are green, how many marbles are in the jar?

part $\frac{30}{250} = \frac{12}{100}$
whole

250 marbles in the jar