

## Chapter Four Practice Test Two

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1. Write the fraction in its simplest form.

$$\frac{35}{100}$$

2. Write the equivalent fraction and decimal for 27%.

3. Evan uses his pencil to do his math work. He started the week with a new pencil, which measured 7.6 inches in length. At the end of 2 weeks, the pencil measured 3.24 inches in length. Find the difference between the two pencil lengths.

4. Compare. Write  $>$ ,  $<$ , or  $=$ .

$$\frac{4}{5} \text{ ————— } \frac{4}{9}$$

5. Compare. Write  $>$ ,  $<$ , or  $=$ .

$$1\frac{3}{5} \text{ ————— } 1\frac{1}{2}$$

6. Compare. Write  $>$ ,  $<$ , or  $=$ .

$$1\frac{1}{2} \text{ ————— } \frac{17}{8}$$

7. Compare. Write  $>$ ,  $<$ , or  $=$ .

$$1.49 \text{ ————— } 1\frac{1}{20}$$

8. When she began second grade, Tina was  $47\frac{2}{3}$  inches tall. At the end of the year, she was

$48\frac{5}{6}$  inches tall. How much had she grown?

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Add or subtract. Write all answers greater than 1 as mixed numbers. Write all answers in simplest form.

9.  $3\frac{1}{4} + 2\frac{7}{8}$

10.  $1\frac{4}{9} + 1\frac{5}{18} + 1\frac{8}{9}$

11.  $\frac{7}{8} + \frac{1}{4}$

Solve. Write each answer in simplest form. If possible, write answers as mixed numbers or whole numbers.

12. a.  $\frac{1}{7}$  of  $\frac{1}{4}$

b. Write a number model for how you found the answer to part a.

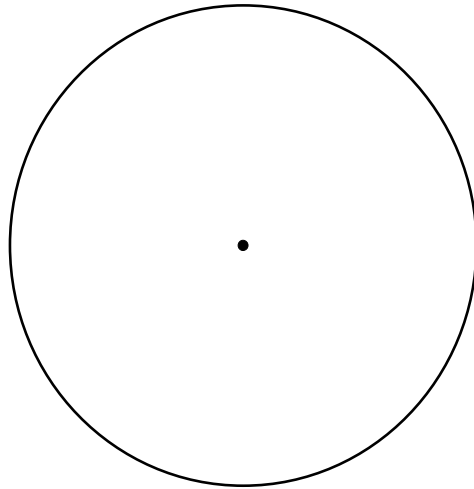
13.  $\frac{3}{4}$  of 72

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14. Use a calculator to complete the table below. Then use the Percent Circle on the Geometry Template to draw a circle graph to display the data.

A survey asked students ages 8 to 18 the following question: *If you were stranded on a desert island and could choose only one of the things listed below to have with you, which would you choose?*

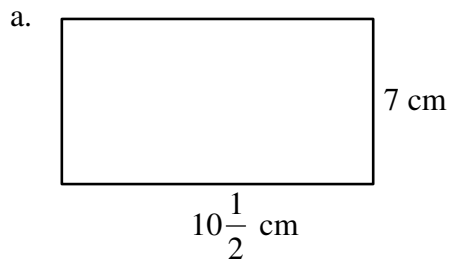


Medium	Number of Students	Percent of Students
computer with internet access	96	
CDs, tapes, or radio	33	
television	39	
video games	36	
books or magazines	75	
videos	15	
nothing	6	
Total	300	

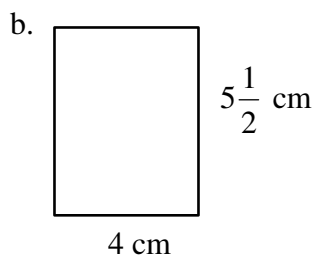
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15. Find the area and the perimeter of each rectangle below.



Area: \_\_\_\_  $\text{cm}^2$  Perimeter: \_\_\_\_ cm



Area: \_\_\_\_  $\text{cm}^2$  Perimeter: \_\_\_\_ cm

16. Evaluate each expression when  $x = 5$ .

a.  $0.0055 \times 10^x$

b.  $x^2 + 3^x$

c.  $-x + (-15)$

d.  $x^0 + (-4)$

17. Estimate and divide:

$6 \overline{)644.4} = \underline{\hspace{2cm}}$

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[1]  $\frac{7}{20}$  \_\_\_\_\_

[2]  $\frac{27}{100}; 0.27$  \_\_\_\_\_

[3] 4.36 inches \_\_\_\_\_

[4] > \_\_\_\_\_

[5] > \_\_\_\_\_

[6] < \_\_\_\_\_

[7] > \_\_\_\_\_

[8]  $1\frac{1}{6}$  in. \_\_\_\_\_

[9]  $6\frac{1}{8}$  \_\_\_\_\_

[10]  $4\frac{11}{18}$  \_\_\_\_\_

[11]  $1\frac{1}{8}$  \_\_\_\_\_

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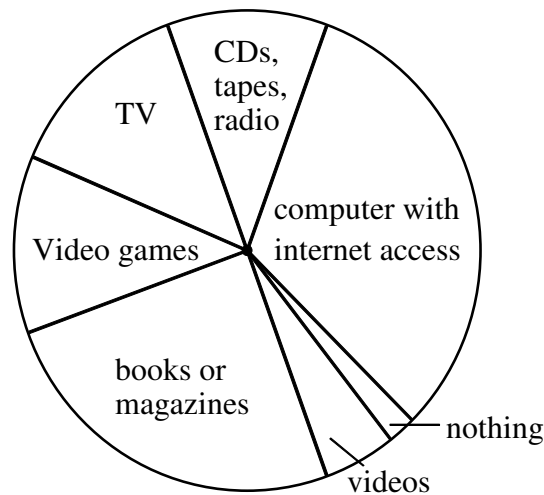
a.  $\frac{1}{28}$

[12] b.  $\frac{1}{7} \times \frac{1}{4} = \frac{1}{28}$

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[13] 54

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Medium	Number of Students	Percent of Students
computer with internet access	96	32 %
CDs, tapes, or radio	33	11 %
television	39	13 %
video games	36	12 %
books or magazines	75	25 %
videos	15	5 %
nothing	6	2 %
Total	300	100%

[14]

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a.  $73.5\text{ cm}^2$ ; 35 cm

[15] b.  $22\text{ cm}^2$ ; 19 cm

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a. 550

b. 268

c. -20

[16] d. -3

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[17] 107.4

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