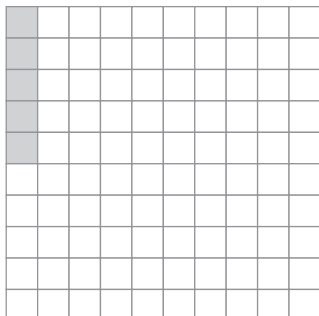


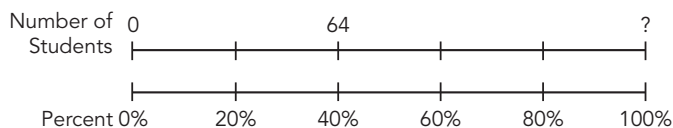
# Standardized Test

Name \_\_\_\_\_ Date \_\_\_\_\_

1. What percent represents the shaded part of the hundredths grid shown?



- a. 0.05%  
b. 0.5  
c. 5%  
d. 50%
2. In the middle school debate club, 30% of the members are in sixth grade. If there are 12 sixth graders in the debate club, how many total members are there?
- a. 30  
b. 36  
c. 38  
d. 40
3. According to Adam's survey, 64 sixth graders, or 40% of the students in sixth grade, would like to take art or music electives. How many sixth-grade students are there in Adam's school?
- a. 128  
b. 160  
c. 256  
d. 625
4. Mrs. Henderson sells houses. She gets a 5% commission on all sales. How much commission would she make on a house that sells for \$180,000?
- a. \$1800  
b. \$9000  
c. \$18,000  
d. \$90,000



5. Which percent represents the decimal 0.0125?

- a. 0.125%
- b. 1.25%
- c. 12.5%
- d. 125%

6. The sixth-grade class was asked the question, "What job would you like the best?" The results are shown in the table. What percent of the sixth-grade class, to the nearest whole percent, said that they would like to be a movie director?

Job	Number of Students
Online Game Designer	84
Movie Director	92
Professional Musician	124
Professional Athlete	100

- a. 23%
- b. 31%
- c. 41%
- d. 45%

7. Which shows the following numbers ordered from greatest to least?

0.5,  $\frac{5}{8}$ , 65%,  $\frac{3}{5}$

- a.  $\frac{3}{5}$ ,  $\frac{5}{8}$ , 0.5, 65%
- b. 0.5,  $\frac{3}{5}$ ,  $\frac{5}{8}$ , 65%
- c. 65%,  $\frac{3}{5}$ , 0.5,  $\frac{5}{8}$
- d. 65%,  $\frac{5}{8}$ ,  $\frac{3}{5}$ , 0.5

8. What percent of 180 is 36?

- a. 5%
- b. 18%
- c. 20%
- d. 96%

9. A new kayak originally priced at \$485.99 is now priced at \$369.99. Which is the best estimate of the percent discount?

- a. 10%
- b. 20%
- c. 25%
- d. 33%

10. The sixth-grade class was asked the question, "What do you spend the most time on each weeknight?" The results are shown in the table. What percent of the sixth-grade class said that they spend the most time communicating with friends?

- a. 30%
- b. 43%
- c. 70%
- d. 81%

Most Time Spent On...	Number of Students
Homework	56
School Events	32
Communicating with Friends	81
Playing Games	39
Watching TV	62

11. In an online survey, 78% of teens between the ages of 13 and 18 said they own a cell phone. About how many teens own cell phones in a class of 250 students?

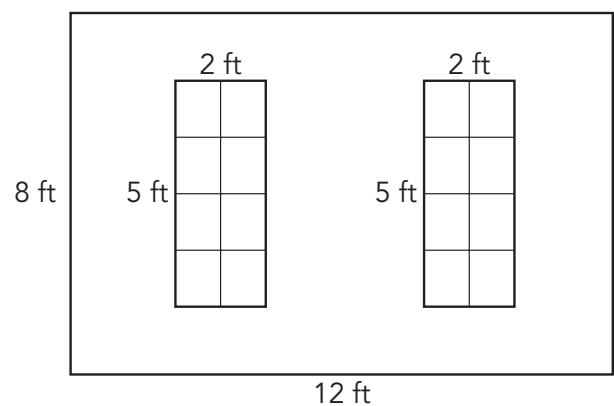
- a. 31
- b. 156
- c. 178
- d. 195

- 12.** At the beginning of the school year, 70 students signed up for music lessons. Students could choose drums, guitar, piano, or violin. The results are shown in the table. Which is a true statement about this situation?

Instrument	Boys	Girls
Drums	11	6
Guitar	6	8
Piano	9	15
Violin	4	11

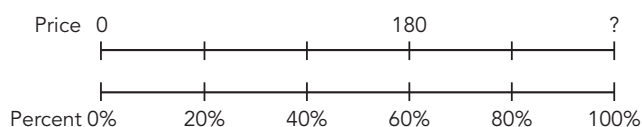
- a. About 28% of students signed up for violin lessons.
  - b. About 17% of students signed up for drum lessons.
  - c. A greater percent of boys are taking piano lessons than girls.
  - d. The same percent of boys and girls are taking guitar lessons.
- 13.** Hilary paints a wall in her bedroom that has two windows, as shown. What percent of the wall does she paint? Round your answer to the nearest whole percent, if necessary.

- a. 76%
- b. 79%
- c. 90%
- d. 96%



- 14.** A snowboard is advertised to be 60% of the original price. If the sale price is \$180, use a double number line to determine the original price.

a. \$108  
b. \$240  
c. \$288  
d. \$300



- 15.** One hundred middle school students take a survey that asks them about their fruit preferences. Thirty-seven out of 100 students said they prefer pineapples to peaches. How would you write this amount as a percent?

a. 0.37%  
b. 3.7%  
c. 37%  
d. 370%

- 16.** You bought lunch at the corner restaurant. Your bill came to \$12.80. Which percent tip could you leave and still spend less than \$16.00 total? Select all that apply.

a. 15%  
b. 20%  
c. 25%  
d. 28%  
e. 30%

- 17.** Xavier determined that 11–13% of the sixth grade students in his school wear glasses on any given school day. There are 200 students in the sixth grade. How many students in sixth grade could wear glasses on the last day of school? Select all that apply.

a. 11  
b. 13  
c. 22  
d. 24  
e. 28

- 18.** A baseball bat that originally sold for \$65 is on sale at a 15% discount. Which single gift card amount would cover the complete cost of the discounted bat? Select all that apply.
- a.** \$10
  - b.** \$15
  - c.** \$50
  - d.** \$60
  - e.** \$80
- 19.** Which is equivalent to 80%? Select all that apply.
- a.** 0.08
  - b.**  $\frac{5}{8}$
  - c.** 0.8
  - d.**  $\frac{4}{5}$
  - e.** 80
- 20.** Haddon's favorite clothing store is having a sale. Shirts are 25% off and pants are 15% off. Haddon has \$90 to spend on clothes. If shirts were originally priced at \$15.98 and pants were originally priced at \$25.59, which can he afford to buy? Select all that apply.
- a.** 1 shirt and 4 pairs of pants
  - b.** 2 shirts and 3 pairs of pants
  - c.** 3 shirts and 2 pairs of pants
  - d.** 4 shirts and 1 pair of pants