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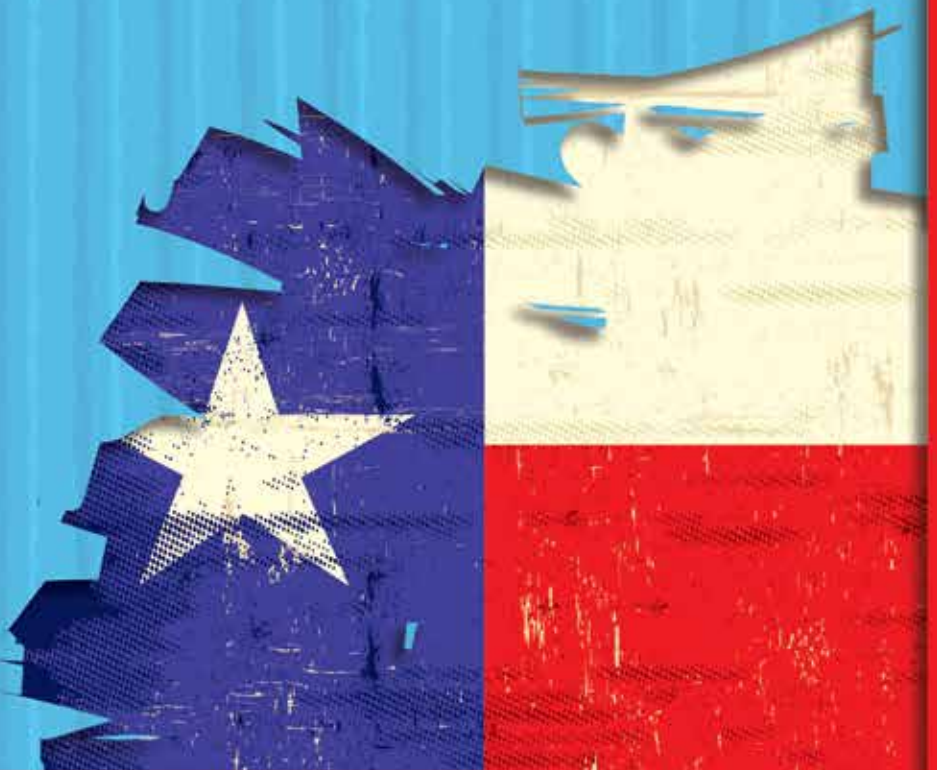
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**Practicing**  
for *Success*



# STAAR

## Mathematics



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## Practice Exercise 2

**Directions:** Read and solve each problem carefully. Record the correct answer on your answer sheet.

1 Which number is 22,387 rounded to the nearest hundred?

- A 22,000
- B 22,300
- C 22,400
- D 22,380

2 Which expression shows 28,964,032 written in expanded form?

- F  $20,000,000 + 8,000,000 + 900,000 + 60,000 + 4,000 + 32$
- G  $28,000,000 + 964,000 + 32$
- H  $28,000,000 + 900,000 + 60,000 + 4,000 + 30 + 2$
- J  $20,000,000 + 8,000,000 + 900,000 + 60,000 + 4,000 + 30 + 2$

3 Choose the stem and leaf plot that correctly represents the data set below:

14, 10, 16, 13, 14, 25, 27, 29, 42, 45, 46, 43, 31

1|4 means 14.

**A**

Stem	Leaf
1	0 3 4 4 6
2	5 7 9
3	1
4	2 3 5 6

**C**

Stem	Leaf
1	0 1 6 3 4
2	2 5 7 9
3	0
4	2 5 6

**B**

Stem	Leaf
1	4 0 6 3
2	5 7 9
3	1
4	2 5 6

**D**

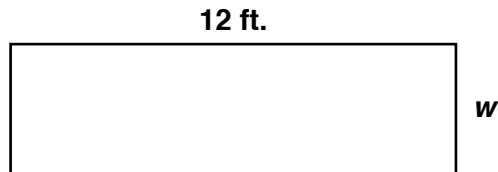
Stem	Leaf
1	4 0 6 3
2	5 7 9 3
3	1 1
4	4 2 5 6



## Practice Exercise 2 *(cont.)*

**Directions:** Read and solve each problem carefully. Record the correct answer on your answer sheet.

- 4 The area of a rectangular carpet is 96 square feet. The length of the carpet is 12 feet. What is the width of the carpet?



- F 8 feet  
G 12 feet  
H 24 feet  
J 36 feet
- 
- 5 Which pair of fractions below are equivalent?

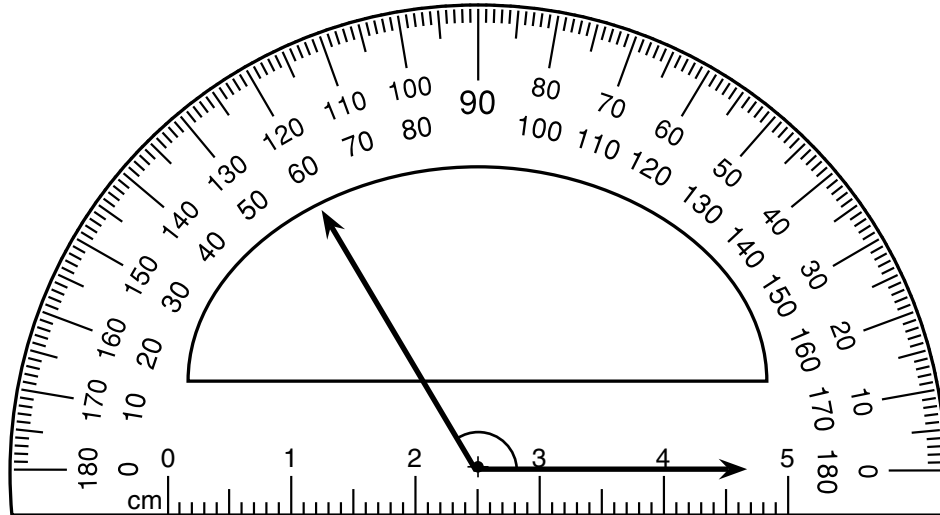
- A  $\frac{1}{2}$  and  $\frac{5}{8}$   
B  $\frac{1}{2}$  and  $\frac{7}{10}$   
C  $\frac{3}{4}$  and  $\frac{6}{8}$   
D  $\frac{2}{3}$  and  $\frac{5}{6}$



## Practice Exercise 2 *(cont.)*

**Directions:** Read and solve each problem carefully. Record the correct answer on your answer sheet.

- 6 What is the measure of the angle shown on the protractor below?



- F  $0^\circ$
- G  $60^\circ$
- H  $180^\circ$
- J  $120^\circ$

- 7 Sophia practices basketball by shooting 75 baskets twice a day. This means she will shoot  $b$  baskets in 7 days. Which equation below accurately models this situation?
- A  $b \times 2 \times 7 = 75$
  - B  $75 \times 7 = b$
  - C  $b = (75 \times 2) \times 7$
  - D  $b \times 7 = 75 + 2$

## Practice Exercise 2 *(cont.)*

**Directions:** Read and solve each problem carefully. Record the correct answer on your answer sheet.

8 Which of the following is the correct product for  $45 \times 100$ ?

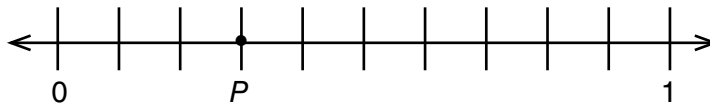
F 450

G 4,500

H 45,000

J 4,545

9 Which number most accurately represents the point  $P$  on the number line?



A 0.3

B 3

C 0.03

D 0.4

10 Paul bought 8 gallons of milk for his family. If a serving of milk is 1 cup, how many servings of milk did Paul buy? Fill in the correct bubbles on the answer sheet to record your answer.

