

Subpart 1

You **may not** use a calculator in Subpart 1 of this test booklet.

You may use this test booklet for scratch paper or to make notes, but you must mark your answers on your answer document.

1. Which model correctly shows how to find the product of 48 and 13?

a.

	40	3
8	$40 \times 8 = 320$	$8 \times 3 = 24$
10	$40 \times 10 = 40$	$10 \times 3 = 30$

b.

	40	3
8	$40 \times 8 = 320$	$8 \times 3 = 24$
10	$40 \times 10 = 400$	$10 \times 3 = 30$

c.

	40	8
3	$40 \times 3 = 120$	$8 \times 3 = 24$
10	$40 \times 10 = 40$	$10 \times 8 = 80$

d.

	40	8
3	$40 \times 3 = 120$	$8 \times 3 = 24$
10	$40 \times 10 = 400$	$8 \times 10 = 80$

2. Study the flashcards.

943,205

57,168

Explain how the value of the 5 in 943,205 is different from the value of the 5 in 57,168.

- a. The value of the 5 in 943,205 is 10,000 times greater than the value of the 5 in 57,168.
- b. The value of the 5 in 943,205 is 1,000 times greater than the value of the 5 in 57,168.
- c. The value of the 5 in 943,205 is 10,000 times less than the value of the 5 in 57,168.
- d. The value of the 5 in 943,205 is 1,000 times less than the value of the 5 in 57,168.

3. Thomas found the quotient of $906 \div 3$. His work is shown below.

$$\begin{array}{r} 32 \\ \overline{3 \overline{) 906}} \\ \underline{- 9} \\ 06 \\ \underline{- 06} \\ 0 \end{array}$$

Is Thomas correct? Why or why not?

- a. Yes, $32 \times 3 = 906$.
- b. Yes, $9 \div 3 = 3$ and $6 \div 3 = 2$.
- c. No, $32 \times 3 = 96$.
- d. No, $3 \div 9 = 6$ and $3 \div 6 = 3$.

4. Which number is represented on the number line?



- a. 4
- b. 0.4
- c. 0.04
- d. 0.004

5. Which **two** correctly represents 45 hundredths?

- a. 45.00
- b. 0.045
- c. 0.45
- d. $\frac{4}{500}$
- e. $\frac{45}{100}$

6. Each of the 32 students of Mr. Hawes class brought in 15 canned goods. Mr. Hawes put the canned goods in packages of 25. What is the greatest number packages Mr. Hawes can fill?
- a. 480
 - b. 19
 - c. 20
 - d. 5

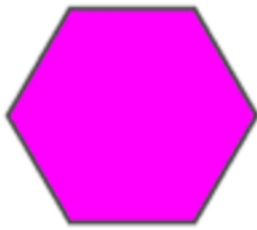
SAMPLE

Subpart 2

You **may** use a calculator in Subpart 2 of this test booklet.

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7. Study the figure below.



Fill in the blank.

The top and bottom of the figure form _____.

- a. Parallel lines
 - b. Perpendicular lines
 - c. Right angles
 - d. Reflex angles
8. Jim Brown ran about 104 yards per game. Each game has four quarters. About how many yards did Jim Brown run during each quarter?
- a. 416
 - b. 26
 - c. 100
 - d. 108

9. The measure of the angle formed by the spider web is 156° . Part of the spider web is 39° . What is the measure of the other part of the spider web?



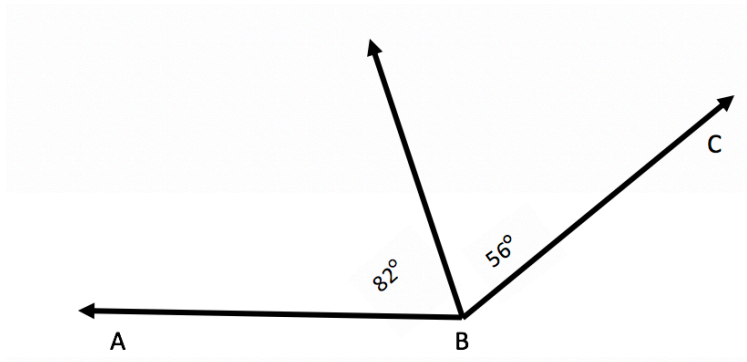
- a. 195°
b. 117°
c. 4°
d. $6,084^\circ$



Subpart 3

You **may** use a calculator in Subpart 3 of this test booklet.

10. What is the measure of $\angle ABC$?



- a. 82°
- b. 56°
- c. 180°
- d. 138°

11. The area of Mr. Williams' mancave is 1,786 square feet. The length of his mancave is 47 feet. What is the width of Mr. Williams' mancave?

- a. 38 feet
- b. 1,739 feet
- c. 83,942 feet
- d. 170 feet

12. There are 5,144 pages in the book that Dianne has to read for class, which is 8 times as many pages as the book she had to read during the summer. How many pages did the book Dianne had to read during the summer have?

- a. 5,152
- b. 643
- c. 5,136
- d. 41,152

SAMPLE