

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Write the decimal in numbers.

1) Eight hundred and seven tenths

- A) 80.7 B) 800.7 C) 0.807 D) 807.0

Round the number to the given place value.

2) A clothing store has a shirt on sale for \$36.55. Round this value to the nearest dollar.

- A) \$37 B) \$36.55 C) \$36 D) \$36.0

Add.

3) $44.74 + 7.619 + 3.987 + 5.3$

- A) 61.646 B) 61.746 C) 62.646 D) 61.656

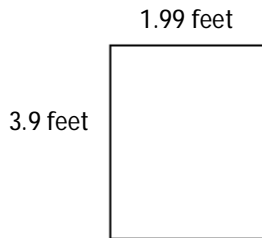
Subtract.

4) $13.6 - 2.67$

- A) 17.27 B) 10.93 C) 11.03 D) 16.27

Solve.

5) Find the perimeter of the rectangle.



- A) 7.761 feet B) 5.89 feet C) 11.78 feet D) 4.76 feet

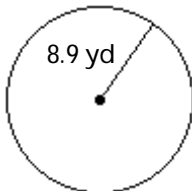
Multiply.

6) 4.8×0.1

- A) 0.48 B) 4.80 C) 4.8 D) 0.048

Find the circumference of the circle. Then use the approximation 3.14 for π and approximate the circumference.

7)



- A) 55.892 yd B) 28.836 yd C) 57.672 yd D) 27.946 yd

Estimate the quotient by first rounding each number.

8) $246.82 \div 47.8$

A) 0.5

B) 5

C) 50

D) 7

Divide.

9) $1.89 \div 100$

A) 0.00189

B) 1890

C) 0.0189

D) 18,900

Write the fraction as a decimal. Round to the nearest thousandth if necessary.

10) $\frac{3}{5}$

A) 1.667

B) 0.06

C) 0.6

D) 6

Insert $<$, $>$, or $=$ between the pair of numbers to form a true statement.

11) 0.297 ___ 0.257

A) $<$

B) $>$

C) $=$

Write the ratio as a ratio of whole numbers using fractional notation. Write the fraction in simplest form.

12) 96,000 copies to 24,000 copies

A) $\frac{12}{4}$

B) $\frac{1}{24}$

C) $\frac{1}{4}$

D) $\frac{4}{1}$

Write the rate as a unit rate.

13) An animal can move at 1260 meters per hour. Write this rate in meters per minute.

A) 75,600 m/min

B) $\frac{7}{20}$ m/min

C) 81 m/min

D) 21 m/min

Determine whether the proportion is true or false.

14) $\frac{350}{150} = \frac{1015}{435}$

A) True

B) False

For the proportion, find the unknown number n.

15) $\frac{4}{\frac{5}{4}} = \frac{16}{n}$

A) 80

B) 20

C) $\frac{1}{4}$

D) 5

FREE RESPONSE. Work out the problems below, step by step. Show as much work as possible.

Arrange in order from smallest to largest.

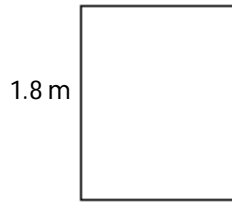
16) 1.753, 1.537, 1.573, 1.357

Simplify the expression.

17) $29.6 - 5.9 \div 7.1 \times 26.8$ Round to the nearest hundredth if necessary.

Find the area of the triangle or rectangle. Round to the nearest thousandth, if necessary.

18) $\frac{3}{4}$ m



Find the unit price.

19) Find which is the better buy (lower cost per ounce) by finding each unit price rounded to three decimal places if necessary. Assume that different sizes of the same brand are being compared.

Popcorn:

\$0.95 for 6 ounces

\$2.40 for 16 ounces

Solve.

20) The adult daily dosage for insulin is 1 unit for every 15 grams of carbohydrates eaten. If I eat a meal consisting of 110 carbohydrates, how many units of insulin should I take? Round to the nearest whole number.