Math 70
Test #1: Chapters 1, 2, and 3

Name_____

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

The table shows the number of votes each candidate received in the last election.

Candidate	Votes
Mr. Olsen	2078
Ms. Li	3760
Mr. Barone	2780
Ms. Vaporis	3706

1) Write in words the number of votes received by Ms. Li.   1) _____

    A) thirty–seven thousand, sixty   B) three thousand, seven hundred sixty

    C) three hundred seventy–six   D) three thousand, seventy–six

Solve.

2) What is 665 increased by 43?   2) _____

    A) 718   B) 698   C) 708   D) 707

3) Find 844 less 95.   3) _____

    A) 749   B) 939   C) 649   D) 741

Multiply.

4)   4) _____

$$\begin{array}{r} 908 \\ \times\ 18 \\ \hline \end{array}$$

    A) 16,336   B) 1764   C) 16,344   D) 16,352

Find the area of the rectangle.

5)

8 ft

16 ft

   A) 192 sq ft   B) 256 sq ft   C) 64 sq ft   D) 128 sq ft

Solve.

6) Find 223 divided by 9.

6) _____

   A) 24   B) 24 R 8   C) 31   D) 24 R 7
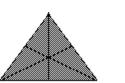
Write the improper fraction as a mixed or whole number.

7) $\dfrac{16}{5}$

7) _____

   A) $3\dfrac{1}{7}$ B) $2\dfrac{1}{5}$ C) $4\dfrac{1}{5}$ D) $3\dfrac{1}{5}$

Write a fraction to represent the shaded area.

8)

8) _____

   A) $1\dfrac{5}{6}$ or $\dfrac{11}{6}$ B) $2\dfrac{5}{6}$ or $\dfrac{11}{6}$ C) $2\dfrac{11}{12}$ or $\dfrac{11}{6}$ D) $1\dfrac{11}{12}$ or $\dfrac{11}{6}$

Write the fraction in simplest form.

9) $\dfrac{75}{105}$

9) _____

   A) $\dfrac{15}{7}$ B) $\dfrac{75}{105}$ C) $\dfrac{5}{7}$ D) $\dfrac{5}{15}$

Determine whether the pair of fractions is equivalent.

10) $\frac{8}{9}$ and $\frac{160}{180}$

10) _____

        A) not equivalent   B) equivalent

Perform the indicated operation. Write the answer in simplest form.

11) $\frac{7}{8} \cdot 2$

11) _____

    A) $\frac{9}{8}$ B) $\frac{7}{16}$ C) $\frac{7}{4}$ D) $\frac{23}{8}$

12) $\frac{23}{5} \div \frac{1}{5}$

12) _____

    A) 23   B) $\frac{43}{2}$ C) 22   D) 24

Use the order of operations to simplify the expression.

13) $\frac{1}{4} \cdot \frac{1}{6} + \frac{2}{3} \cdot \frac{1}{4}$

13) _____

    A) $\frac{5}{7}$ B) $\frac{5}{24}$ C) $\frac{5}{2}$ D) $\frac{5}{12}$

14) $\frac{9}{2} \div \frac{1}{9} \cdot \frac{1}{3}$

14) _____

    A) $\frac{243}{2}$ B) $\frac{27}{2}$ C) $\frac{3}{2}$ D) $\frac{1}{6}$

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Find the prime factorization of the number.

15) 4725

15) _____

Simplify.

16) $8 \cdot 7 + \{18 \div [8 - (3 + 2)]\}$

16) _____

Solve.

17) Write the largest four–digit number that can be made from the digits 8, 4, 9, and 3 if each digit must be used once.

17) _____

18) A recipe for cake calls for $1\frac{2}{3}$ cups of brown sugar. If you are only making a half–batch, how much brown sugar would you need?

18) _____

Subtract and simplify.

19) $\frac{4}{5} - \frac{3}{20}$

19) _____

20) $15\frac{5}{16} - 6\frac{3}{8}$

20) _____

Answer Key
Testname: MATH 70 TEST 1 (CHAPTERS 1 - 3)

1) B
2) C
3) A
4) C
5) D
6) D
7) D
8) A
9) C
10) B
11) C
12) A
13) B
14) B
15) $3^3 \cdot 5^2 \cdot 7$
16) 62
17) 9843
18) $\frac{5}{6}$ cups
19) $\frac{13}{20}$
20) $8\frac{15}{16}$