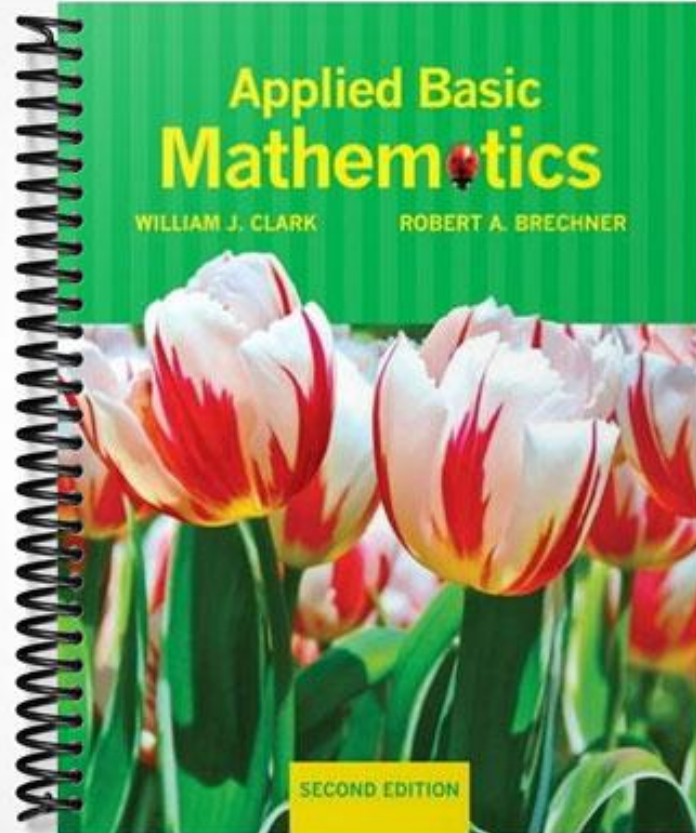


TEST BANK



Name _____

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

Find the factors of the number.

1) 11 1) _____

2) 49 2) _____

3) 15 3) _____

Determine whether the number is prime, composite, or neither.

4) 0 4) _____

5) 2 5) _____

Find the prime factorization of the number.

6) 14 6) _____

7) 65 7) _____

8) 121 8) _____

Find the LCM for the set of numbers.

9) 2, 7 9) _____

10) 4, 6 10) _____

Indicate whether the number is a proper fraction, an improper fraction, or a mixed number.

11) $\frac{7}{4}$

11) _____

12) $\frac{1}{6}$

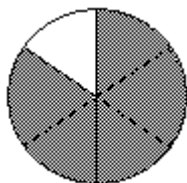
12) _____

13) $12\frac{3}{7}$

13) _____

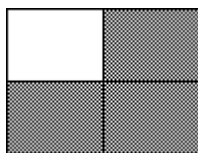
Write a fraction or mixed number to represent the shaded portion of the figure.

14)



14) _____

15)



15) _____

16)



16) _____

Write the improper fraction as a mixed or whole number.

17) $\frac{70}{5}$

17) _____

18) $\frac{34}{3}$

18) _____

19) $\frac{25}{4}$

19) _____

Write the mixed number as an improper fraction.

20) $8\frac{3}{7}$

20) _____

21) $7\frac{2}{3}$

21) _____

Simplify the fraction.

22) $\frac{2}{8}$

22) _____

23) $\frac{4}{20}$

23) _____

24) $\frac{21}{35}$

24) _____

Write the fraction as an equivalent fraction with the indicated denominator.

25) $\frac{1}{5} = \frac{?}{10}$

25) _____

26) $\frac{8}{14} = \frac{?}{70}$

26) _____

Compare the fractions.

27) $\frac{1}{2}$, $\frac{1}{10}$

27) _____

28) $\frac{7}{18}$, $\frac{5}{6}$

28) _____

Multiply. Simplify if possible.

29) $\frac{1}{8} \cdot \frac{1}{4}$

29) _____

30) $\frac{4}{7} \cdot \frac{2}{3} \cdot \frac{4}{5}$

30) _____

31) $2\frac{2}{3} \cdot 11\frac{1}{4}$

31) _____

32) $1\frac{8}{9} \cdot 9$

32) _____

Divide. Simplify, if possible.

33) $\frac{2}{3} \div \frac{3}{8}$

33) _____

34) $\frac{16}{7} \div 2$

34) _____

35) $12 \div \frac{2}{5}$

35) _____

36) $2\frac{3}{7} \div 1\frac{3}{8}$

36) _____

Add. Simplify, if possible.

37) $\frac{3}{4} + \frac{1}{16}$

37) _____

38) $4 + 4\frac{2}{7}$

38) _____

39) $\frac{1}{10} + \frac{2}{15} + 5\frac{5}{18}$

39) _____

Subtract. Simplify, if possible.

40) $8\frac{5}{3} - 3\frac{1}{3}$ 40) _____

41) $19\frac{2}{7} - \frac{6}{7}$ 41) _____

42) $10\frac{5}{6} - \frac{1}{4}$ 42) _____

43) $11\frac{1}{7} - \frac{20}{21}$ 43) _____

Solve the problem.

44) At a national computer show, two software companies continuously run videos showing their products. Company A's video repeats every 21 minutes, while Company B's video repeats every 15 minutes. If both companies begin the videos at 1:00 P.M. when the show opens, how many minutes will elapse before they are in sync again? 44) _____

45) Of 23 crates of apples, 5 crates are Granny Smiths. What fraction of the crates are Granny Smiths? 45) _____

46) A baseball team has played 9 games so far this season. The team won 3 games. What fraction of its games has the team won? Simplify. 46) _____

47) A rectangular sheet of paper measures $\frac{1}{5}$ ft by $\frac{4}{7}$ ft. What is its area? 47) _____

48) A technician has readings that take $\frac{2}{3}$ minute each to read and record. How many readings can be completed in 48 minutes? 48) _____

49) A layer of paint on a piece of wood has a thickness of $\frac{1}{12}$ inch. The thickness of the piece of wood is $\frac{1}{3}$ inch. What is the total thickness of the wood and the paint? 49) _____

50) Erika spent $\frac{3}{4}$ hr on her computer visiting the history channel and 50) _____
the discovery channel websites. She spent $\frac{1}{3}$ hr at the history
channel website. How many hours did she spend at the discovery
channel website?

Answer Key

Testname: CHAPTER 2 FORM A

- 1) 1, 11
- 2) 1, 7, 49
- 3) 1, 3, 5, 15
- 4) neither
- 5) prime
- 6) $2 \cdot 7$
- 7) $5 \cdot 13$
- 8) 11^2
- 9) 14
- 10) 12
- 11) improper fraction
- 12) proper fraction
- 13) mixed number
- 14) $\frac{5}{6}$
- 15) $\frac{3}{4}$
- 16) $\frac{3}{8}$
- 17) 14
- 18) $11\frac{1}{3}$
- 19) $6\frac{1}{4}$
- 20) $\frac{59}{7}$
- 21) $\frac{23}{3}$
- 22) $\frac{1}{4}$
- 23) $\frac{1}{5}$
- 24) $\frac{3}{5}$
- 25) $\frac{2}{10}$
- 26) $\frac{40}{70}$
- 27) $\frac{1}{10} < \frac{1}{2}$
- 28) $\frac{7}{18} < \frac{5}{6}$
- 29) $\frac{1}{32}$
- 30) $\frac{32}{105}$

Answer Key

Testname: CHAPTER 2 FORM A

31) 30

32) 17

33) $1\frac{7}{9}$

34) $\frac{8}{7}$

35) 30

36) $1\frac{59}{77}$

37) $\frac{13}{16}$

38) $8\frac{2}{7}$

39) $5\frac{23}{45}$

40) $5\frac{4}{3}$

41) $18\frac{3}{7}$

42) $10\frac{7}{12}$

43) $10\frac{4}{21}$

44) 105 minutes

45) $\frac{5}{23}$

46) $\frac{1}{3}$

47) $\frac{4}{35}$ square feet

48) 72 readings

49) $\frac{5}{12}$ inch

50) $\frac{5}{12}$ hr