

Final Exam Review - Unit 3**Multiple Choice***Identify the choice that best completes the statement or answers the question.*

_____ 1. Multiply. $7 \times \frac{2}{5}$

a. $\frac{14}{5}$

b. $\frac{14}{35}$

c. $\frac{9}{5}$

d. $\frac{37}{5}$

_____ 2. Find $\frac{5}{7}$ of 21.

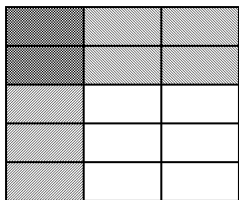
a. 105

b. $21\frac{5}{7}$

c. 15

d. 3

_____ 3. What product can be represented by the darkest area in this model?



a. $\frac{5}{6} \times \frac{2}{3}$

b. $\frac{5}{6} \times \frac{3}{5}$

c. $\frac{2}{5} \times \frac{1}{3}$

d. $\frac{5}{6} \times \frac{2}{3}$

_____ 4. Multiply. $\frac{4}{6} \times \frac{1}{11}$

a. $\frac{5}{66}$

b. $\frac{2}{33}$

c. $\frac{25}{33}$

d. $\frac{5}{17}$

_____ 5. Multiply. $\frac{1}{9} \times 4\frac{1}{6}$

a. $\frac{25}{54}$

b. $2\frac{7}{9}$

c. $2\frac{4}{25}$

d. $1\frac{1}{2}$

_____ 6. Multiply. $2\frac{3}{4} \times 3\frac{1}{3}$

a. $\frac{33}{40}$

b. $1\frac{1}{4}$

c. $9\frac{1}{6}$

d. $1\frac{1}{6}$

_____ 7. Find this quotient. $4 \div \frac{5}{6}$

a. $\frac{3}{10}$

b. $4\frac{4}{5}$

c. $3\frac{1}{3}$

d. $\frac{5}{24}$

_____ 8. Divide. $1\frac{1}{2} \div \frac{1}{6}$

- a. 9 b. $\frac{1}{4}$ c. 8 d. 4

_____ 9. Divide. $2\frac{1}{3} \div 2\frac{1}{2}$

- a. $\frac{14}{15}$ b. $5\frac{5}{6}$ c. $\frac{2}{3}$ d. $1\frac{1}{14}$

_____ 10. You have $2\frac{2}{3}$ cups of dried fruit to divide evenly among 5 children.

How many cups of fruit will each child receive?

- a. $\frac{15}{8}$ b. $\frac{8}{15}$ c. $\frac{7}{15}$ d. $\frac{15}{7}$

_____ 11. What operation would you use to solve this problem?

Josh mixed $3\frac{1}{2}$ cups of flour with $1\frac{1}{4}$ cups of sugar to make a cake. How much flour and sugar did he mix?

- a. Addition b. Subtraction c. Multiplication d. Division

_____ 12. Sally pays \$600 per month for rent. This represents $\frac{2}{3}$ of her monthly salary.

What is Sally's monthly salary?

- a. \$400 b. \$1800 c. \$900 d. \$1200

_____ 13. Evaluate. $\frac{7}{8} \times \frac{5}{7} - \frac{1}{3}$

- a. $\frac{7}{8}$ b. $\frac{7}{24}$ c. $\frac{1}{3}$ d. $\frac{7}{15}$

_____ 14. Evaluate. $\frac{7}{10} - \frac{1}{4} \div \frac{5}{8}$

- a. $\frac{7}{24}$ b. $\frac{9}{20}$ c. $\frac{1}{6}$ d. $\frac{3}{10}$

Final Exam Review - Unit 3

Answer Section

MULTIPLE CHOICE

1. ANS: A PTS: 1 DIF: Easy
REF: 3.1 Using Models to Multiply Fractions and Whole Numbers
LOC: 8.N6 TOP: Number KEY: Conceptual Understanding
2. ANS: C PTS: 1 DIF: Moderate
REF: 3.1 Using Models to Multiply Fractions and Whole Numbers
LOC: 8.N6 TOP: Number KEY: Conceptual Understanding
3. ANS: C PTS: 1 DIF: Easy
REF: 3.2 Using Models to Multiply Fractions LOC: 8.N6
TOP: Number KEY: Conceptual Understanding
4. ANS: B PTS: 1 DIF: Easy REF: 3.3 Multiplying Fractions
LOC: 8.N6 TOP: Number KEY: Conceptual Understanding
5. ANS: A PTS: 1 DIF: Moderate REF: 3.4 Multiplying Mixed Numbers
LOC: 8.N6 TOP: Number KEY: Conceptual Understanding
6. ANS: C PTS: 1 DIF: Moderate REF: 3.4 Multiplying Mixed Numbers
LOC: 8.N6 TOP: Number KEY: Conceptual Understanding
7. ANS: B PTS: 1 DIF: Easy
REF: 3.5 Dividing Whole Numbers and Fractions LOC: 8.N6
TOP: Number KEY: Conceptual Understanding
8. ANS: A PTS: 1 DIF: Moderate REF: 3.7 Dividing Mixed Numbers
LOC: 8.N6 TOP: Number KEY: Conceptual Understanding
9. ANS: A PTS: 1 DIF: Moderate REF: 3.7 Dividing Mixed Numbers
LOC: 8.N6 TOP: Number KEY: Conceptual Understanding
10. ANS: B PTS: 1 DIF: Moderate REF: 3.7 Dividing Mixed Numbers
LOC: 8.N6 TOP: Number KEY: Conceptual Understanding | Problem-solving Skills
11. ANS: A PTS: 1 DIF: Easy
REF: 3.8 Solving Problems with Fractions LOC: 8.N6
TOP: Number KEY: Procedural Knowledge
12. ANS: C PTS: 1 DIF: Moderate
REF: 3.8 Solving Problems with Fractions LOC: 8.N6
TOP: Number KEY: Problem-solving Skills
13. ANS: B PTS: 1 DIF: Moderate
REF: 3.9 Order of Operations with Fractions LOC: 8.N6
TOP: Number KEY: Procedural Knowledge
14. ANS: D PTS: 1 DIF: Moderate
REF: 3.9 Order of Operations with Fractions LOC: 8.N6
TOP: Number KEY: Procedural Knowledge