CHAPTER 7

NAME _____ DATE _____ PERIOD ____

Chapter 7 Test, Form 2A

SCORE ____

Write the letter for the correct answer in the blank at the right of each question.

Estimate using compatible numbers.

1. $\frac{1}{3} \times 19$

A. 8 **B.** $6\frac{1}{3}$ **C.** 6 **D.** 5 **1.** ____

2. $\frac{3}{7} \times 13$

F. $5\frac{2}{7}$ **G.** 5 **H.** 2 **I.** 6 **2.** ____

Estimate by rounding.

3. $\frac{9}{10} \times \frac{5}{6}$

A. $1\frac{3}{4}$ **B.** 1 **C.** 0 **D.** 2 **3.** ____

4. $5\frac{7}{8} \times 3\frac{1}{6}$

F. 15 **G.** 24 **H.** 20 **I.** 18 **4.** ____

For Exercises 5–8, multiply. Write in simplest form.

5. $\frac{3}{4} \times \frac{8}{9}$

A. $\frac{24}{36}$ **B.** $\frac{2}{3}$ **C.** $\frac{27}{32}$ **D.** $\frac{1}{3}$ **5.** ____

6. $24 \times \frac{5}{6}$

F. $24\frac{5}{6}$ **G.** $\frac{5}{144}$ **H.** $28\frac{4}{5}$ **I.** 20 **6.** ____

7. $8 \times 1\frac{1}{6}$

A. $9\frac{1}{3}$ **B.** $8\frac{1}{6}$ **C.** 5 **D.** $\frac{28}{3}$ **7.** ____

8. $7\frac{1}{7} \times 4\frac{1}{5}$

F. $\frac{1}{30}$ **G.** $\frac{71}{12}$ **H.** 30 **I.** $28\frac{2}{35}$ **8.** ____

9. **ALGEBRA** Find the value of xy if $x = \frac{2}{3}$ and $y = 2\frac{3}{4}$.

A. $3\frac{1}{7}$ **B.** $\frac{22}{7}$ **C.** $1\frac{5}{6}$ **D.** $2\frac{1}{2}$ **9.** ____

10. **PLAYGROUND** The tiny tots' sandbox is $4\frac{1}{2}$ yards long and $3\frac{1}{9}$ yards wide. Find the area of the sandbox.

F. $7\frac{1}{11}$ yd^2 **G.** 12 yd^2 **H.** $12\frac{1}{18}$ yd^2 **I.** 14 yd^2 **10.** ____

Assessment

NAME _____ DATE _____ PERIOD _____

Chapter 7 Test, Form 2A *(continued)*

11. Find the reciprocal of $\frac{7}{12}$.

A. $\frac{12}{12}$ **B.** $\frac{12}{7}$ **C.** $\frac{7}{12}$ **D.** 7 **11.** _____

12. Find the reciprocal of 6.

F. $\frac{6}{1}$ **G.** 1 **H.** $\frac{1}{6}$ **I.** $\frac{2}{6}$ **12.** _____

For Exercises 13–16, divide. Write in simplest form.

13. $\frac{5}{6} \div \frac{10}{11}$

A. $\frac{11}{12}$ **B.** $\frac{50}{66}$ **C.** $\frac{55}{60}$ **D.** $\frac{25}{33}$ **13.** _____

14. $8 \div \frac{2}{7}$

F. 56 **G.** $\frac{2}{56}$ **H.** $\frac{16}{7}$ **I.** 28 **14.** _____

15. $\frac{3}{4} \div 6$

A. $4\frac{1}{2}$ **B.** $\frac{1}{8}$ **C.** $\frac{3}{10}$ **D.** $2\frac{1}{4}$ **15.** _____

16. $5\frac{5}{6} \div 3\frac{1}{8}$

F. $18\frac{11}{48}$ **G.** $1\frac{13}{15}$ **H.** $\frac{56}{30}$ **I.** $\frac{15}{28}$ **16.** _____

17. **ALGEBRA** Find the value of $a \div b$ if $a = 2\frac{1}{8}$ and $b = \frac{1}{4}$.

A. $\frac{17}{32}$ **B.** $3\frac{1}{12}$ **C.** $8\frac{1}{2}$ **D.** $2\frac{3}{8}$ **17.** _____

18. **EXERCISE** Suzy walked $4\frac{4}{5}$ miles in 3 days. She walked the same number of miles each day. How many miles did she walk each day?

F. $\frac{8}{5}$ **G.** $14\frac{2}{5}$ **H.** 2 **I.** $1\frac{3}{5}$ **18.** _____

19. Find the next number in the sequence.
2, 9, 16, 23, ...

A. 28 **B.** 32 **C.** 30 **D.** 29 **19.** _____

20. **MONEY** Ana earned \$3 the first week, \$6 the second week, \$12 the third week, \$24 the fourth week, and \$48 the fifth week. If this pattern continues, how much will she earn the sixth week?

F. \$96 **G.** \$184 **H.** \$288 **I.** \$192 **20.** _____

Bonus Write $\frac{3}{4} \times 2\frac{2}{3} \times 1\frac{1}{5}$ in simplest form. **B:** _____

CHAPTER 7

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Chapter 7 Test, Form 2A

SCORE ____

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Estimate using compatible numbers.

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A. 8 **B.** $6\frac{1}{3}$ **C.** 6 **D.** 5 **1.** C

2. $\frac{3}{7} \times 13$

F. $5\frac{2}{7}$ **G.** 5 **H.** 2 **I.** 6 **2.** I

Estimate by rounding.

3. $\frac{9}{10} \times \frac{5}{6}$

A. $1\frac{3}{4}$ **B.** 1 **C.** 0 **D.** 2 **3.** B

4. $5\frac{7}{8} \times 3\frac{1}{6}$

F. 15 **G.** 24 **H.** 20 **I.** 18 **4.** I

For Exercises 5–8, multiply. Write in simplest form.

5. $\frac{3}{4} \times \frac{8}{9}$

A. $\frac{24}{36}$ **B.** $\frac{2}{3}$ **C.** $\frac{27}{32}$ **D.** $\frac{1}{3}$ **5.** B

6. $24 \times \frac{5}{6}$

F. $24\frac{5}{6}$ **G.** $\frac{5}{144}$ **H.** $28\frac{4}{5}$ **I.** 20 **6.** I

7. $8 \times 1\frac{1}{6}$

A. $9\frac{1}{3}$ **B.** $8\frac{1}{6}$ **C.** 5 **D.** $\frac{28}{3}$ **7.** A

8. $7\frac{1}{7} \times 4\frac{1}{5}$

F. $\frac{1}{30}$ **G.** $\frac{71}{12}$ **H.** 30 **I.** $28\frac{2}{35}$ **8.** H

9. **ALGEBRA** Find the value of xy if $x = \frac{2}{3}$ and $y = 2\frac{3}{4}$.

A. $3\frac{1}{7}$ **B.** $\frac{22}{7}$ **C.** $1\frac{5}{6}$ **D.** $2\frac{1}{2}$ **9.** C

10. **PLAYGROUND** The tiny tots' sandbox is $4\frac{1}{2}$ yards long and $3\frac{1}{9}$ yards wide. Find the area of the sandbox.

F. $7\frac{1}{11}$ yd^2 **G.** 12 yd^2 **H.** $12\frac{1}{18}$ yd^2 **I.** 14 yd^2 **10.** I

18
×5
90

Assessment

NAME _____ DATE _____ PERIOD _____

Chapter 7 Test, Form 2A *(continued)*

11. Find the reciprocal of $\frac{7}{12}$.

A. $\frac{12}{12}$ **B.** $\frac{12}{7}$ **C.** $\frac{7}{12}$ **D.** 7 **11.** B

12. Find the reciprocal of 6.

F. $\frac{6}{1}$ **G.** 1 **H.** $\frac{1}{6}$ **I.** $\frac{2}{6}$ **12.** H

For Exercises 13–16, divide. Write in simplest form.

13. $\frac{5}{6} \div \frac{10}{11}$

A. $\frac{11}{12}$ **B.** $\frac{50}{66}$ **C.** $\frac{55}{60}$ **D.** $\frac{25}{33}$ **13.** A

14. $8 \div \frac{2}{7}$

F. 56 **G.** $\frac{2}{56}$ **H.** $\frac{16}{7}$ **I.** 28 **14.** I

15. $\frac{3}{4} \div 6$

A. $4\frac{1}{2}$ **B.** $\frac{1}{8}$ **C.** $\frac{3}{10}$ **D.** $2\frac{1}{4}$ **15.** B

16. $5\frac{5}{6} \div 3\frac{1}{8}$

F. $18\frac{11}{48}$ **G.** $1\frac{13}{15}$ **H.** $\frac{56}{30}$ **I.** $\frac{15}{28}$ **16.** G

17. ALGEBRA Find the value of $a \div b$ if $a = 2\frac{1}{8}$ and $b = \frac{1}{4}$.

A. $\frac{17}{32}$ **B.** $3\frac{1}{12}$ **C.** $8\frac{1}{2}$ **D.** $2\frac{3}{8}$ **17.** C

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F. $\frac{8}{5}$ **G.** $14\frac{2}{5}$ **H.** 2 **I.** $1\frac{3}{5}$ **18.** I

19. Find the next number in the sequence.
2, 9, 16, 23, ...

A. 28 **B.** 32 **C.** 30 **D.** 29 **19.** C

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F. \$96 **G.** \$184 **H.** \$288 **I.** \$192 **20.** F

Bonus Write $\frac{3}{4} \times 2\frac{2}{3} \times 1\frac{1}{5}$ in simplest form. **B:** $2\frac{2}{5}$