

Name _____

Write the mixed number as an improper fraction.

1) $5\frac{3}{5}$

2) $5\frac{4}{5}$

Write the improper fraction as a mixed or whole number.

3) $\frac{39}{5}$

4) $\frac{56}{7}$

5) $\frac{152}{7}$

Find the prime factorization of the number. Write any repeated factors using exponents.

6) 168

Write the fraction in simplest form.

7) $\frac{48}{54}$

8) $\frac{30}{80}$

9) $\frac{51}{57}$

Multiply. Write the answer in simplest form.

10) $\frac{1}{7} \cdot \frac{15}{20}$

11) $\frac{1}{3} \cdot \frac{4}{5} \cdot \frac{2}{5}$

12) $\frac{1}{2} \cdot \frac{3}{7} \cdot \frac{6}{14} \cdot \frac{28}{2}$

13) $1\frac{1}{5} \cdot \frac{4}{9}$

14) $1\frac{7}{8} \cdot 6\frac{2}{5}$

15) $3 \cdot 4\frac{8}{15}$

16) $1\frac{1}{5} \cdot 5 \cdot \frac{3}{7}$

Divide. Write the answer in simplest form.

$$17) \frac{7}{20} \div \frac{7}{16}$$

$$18) \frac{2}{7} \div 0$$

$$19) \frac{9}{7} \div \frac{22}{4}$$

$$20) \frac{16}{5} \div \frac{4}{5}$$

$$21) 0 \div \frac{3}{6}$$

$$22) \frac{77}{9} \cdot \frac{27}{121} \div \frac{7}{11}$$

Divide. Write the answer in simplest form.

$$23) 4\frac{5}{9} \div 4\frac{1}{9}$$

$$24) 21 \div 4\frac{1}{5}$$

$$25) 28 \div \frac{7}{5}$$

$$26) 1 \div \frac{6}{7}$$

Answer Key

Testname: M050_2.1_2.5

1) $\frac{28}{5}$

2) $\frac{29}{5}$

3) $7\frac{4}{5}$

4) 8

5) $21\frac{5}{7}$

6) $2^3 \cdot 3 \cdot 7$

7) $\frac{8}{9}$

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

9) $\frac{17}{19}$

10) $\frac{3}{28}$

11) $\frac{8}{75}$

12) $\frac{9}{7}$

13) $\frac{8}{15}$

14) 12

15) $13\frac{3}{5}$

16) $2\frac{4}{7}$

17) $\frac{4}{5}$

18) Undefined

19) $\frac{18}{77}$

20) 4

21) 0

22) 3

23) $1\frac{4}{37}$

24) 5

25) 20

26) $1\frac{1}{6}$