## UNIT TEST Lessons 1-23



Solve.

1. 
$$3\frac{3}{8} + 4\frac{1}{8}$$

2. 
$$7\frac{3}{5} + 4\frac{4}{5}$$

3. 
$$15\frac{2}{7} + 11\frac{1}{2}$$

4. 
$$8\frac{5}{6}$$
 +  $5\frac{2}{3}$ 

Solve.

5. 
$$9\frac{7}{8}$$
 $-3\frac{5}{8}$ 

6. 
$$3 - 1\frac{2}{5}$$

7. 
$$35\frac{1}{4}$$
 $-21\frac{2}{3}$ 

8. 
$$7\frac{1}{6}$$
 $-6\frac{3}{7}$ 

## UNIT TEST III

Fill in the blanks. Write any remainders as fractions.

Divide using the reciprocal, then check your work by using the rule of four.

Reciprocal

Rule of Four

15. 
$$\frac{3}{6} \div \frac{1}{2} =$$

16. 
$$\frac{3}{6} \div \frac{1}{2} =$$

17. 
$$\frac{5}{8} \div \frac{2}{3} =$$

18. 
$$\frac{5}{8} \div \frac{2}{3} =$$

Change mixed numbers to improper fractions and divide using the reciprocal.

19. 
$$6\frac{1}{3} \div 2\frac{3}{8} =$$

20. 
$$2\frac{3}{5} \div 1\frac{9}{10} =$$

21. 
$$5\frac{5}{6} \div \frac{5}{6} =$$

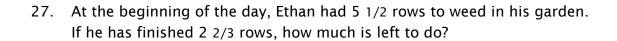
22. 
$$3\frac{1}{2} \div 1\frac{3}{7} =$$

23. What is the reciprocal of 8?

24. A pool is 15 feet long, 10 feet wide, and 6 feet deep. How many cubic feet of water are required to fill it to the brim?

25. Joseph has 4 1/2 pizzas for his party. If there are eight people to serve, how much pizza can each one have?

26.	Christopher jogged 2 1/3 miles and ran 1 5/6 miles. How far did he	
	go altogether?	



28. Mental Math! 8 times 6, minus 4, divided by 2, plus 3, equals \_\_\_\_\_\_.

60 EPSILON