## Problem set – fractions - 3

Name:	Date:
Solve each problem. Show all of your work	x. You may use a calculator, textbook, and notes. in lowest terms, or as a mixed number in lowest
1. Multiply two thirds by one half.	
2. What is the product of $\frac{3}{16}$ and $\frac{1}{2}$ ?	
3. Find the product of $\frac{2}{3}$ and $\frac{1}{5}$ .	
4. Divide $\frac{2}{15}$ by $\frac{1}{5}$ .	
5. Divide three sevenths by two thirds.	
6. Divide $\frac{7}{8}$ by $\frac{2}{3}$ .	
7. A fifty-one gallon barrel of reagent barrel?	is two thirds full. How many gallons are in the
8. Two thirds of a forty-eight gallon bar remain in the barrel?	rel of solvent is gone. How many gallons of solvent
9. After a batch of parts has been prepared	pared, two fifths of a fifty gallon barrel of solvent

remains is the barrel. How many gallons were used?

- 10. Out of a 500 gallon shipment, 350 gallons have been used. What fraction of the shipment remains?
- 11. Out of a 1,500 gallon shipment, 850 gallons remain. What fraction of the shipment has been used?
- 12. What fraction is  $\frac{1}{6} + \frac{1}{5}$ ?
- 13. Add  $\frac{3}{32}$  to  $\frac{5}{32}$ .
- 14. Add  $\frac{7}{16}$  to  $\frac{9}{32}$ .
- 15. Add  $\frac{3}{8}$  to  $2\frac{1}{3}$ .
- 16. What fraction is  $\frac{2}{3} \frac{1}{4}$ ?
- 17. What fraction is  $\frac{9}{10} \frac{3}{8}$ ?
- 18. What is the sum of  $\frac{2}{5}$ ,  $2\frac{3}{5}$ , and  $1\frac{7}{10}$ ?
- 19. Subtract  $\frac{3}{16}$  from  $\frac{21}{32}$ .
- 20. Subtract  $2\frac{5}{8}$  from  $7\frac{2}{8}$ .