$\frac{1}{2} = 0.5$ $\quad 1\overline{)2}$ $\quad 2\overline{)1}$ 0.5

Name _____ Date _____ Per. _____ No. _____

$\frac{3}{50} \cdot \boxed{\frac{2}{2}} = \frac{6}{100}$ SIX HUNDREDTHS

Math 7 Chapter 4 Practice Test

10, 100, 1000, 10000

1. What is $\frac{3}{50}$ as a decimal? **A.** 6.0 **B.** $0.\overline{6}$ **C.** 0.6 **D.** 0.06 $\frac{1}{10}$ $\quad \frac{3}{50} \rightarrow 50\overline{)3.00}$ = 0.06	D
2. What is $1\frac{5}{9}$ as a decimal? **A.** 0.15 **B.** $1.\overline{5}$ **C.** 1.5 **D.** 15.6 $\frac{1}{9} = 0.\overline{1}$ $\quad \frac{8}{9} = 0.\overline{8}$	B
3. What is 0.42 as a fraction in simplest form? **A.** $\frac{21}{50}$ **B.** $\frac{4}{10}$ **C.** $\frac{10}{25}$ **D.** $\frac{2}{5}$ $\frac{42}{100} \div \boxed{\frac{2}{2}} = \frac{21}{50}$	A
4. Which symbol makes $\frac{6}{11}$ > $\frac{2}{5}$ a true sentence? **A.** > **B.** < **C.** = **D.** + $\frac{6}{11} \cdot \frac{5}{5} = \frac{30}{55}$ $\quad \frac{2}{5} \cdot \frac{11}{11} = \frac{22}{55}$	A
5. Which of the following has the least value? **A.** $\frac{13}{15}$ 0.86 **B.** $\frac{7}{8}$ 0.875 **C.** $\frac{2}{3}$ 0.6 **D.** $\frac{3}{5}$ 0.6	D
6. A recipe calls for $\frac{1}{6}$ teaspoon of vanilla extract. If the recipe is doubled, how much vanilla extract is needed? $\frac{1}{6} + \frac{1}{6} = \frac{2}{6} = \frac{1}{3}$ TIMES 2 $\quad \frac{1}{6} \cdot \frac{2}{1} = \frac{2}{6} \div \frac{2}{2} = \frac{1}{3}$ **A.** $\frac{1}{16}$ tsp **B.** $\frac{1}{3}$ tsp **C.** $\frac{1}{6}$ tsp **D.** 1 tsp	B
7. Jeremy and his friends ate $\frac{7}{8}$ of a pie. If the pie was cut into eight pieces, how much pie is left over? **A.** $\frac{1}{8}$ **B.** $\frac{2}{8}$ **C.** $\frac{1}{4}$ **D.** $\frac{5}{8}$	A
8. A recipe calls for $5\frac{3}{8}$ cups of milk. If the recipe is tripled, how much milk is needed? TIMES 3 $(5 \cdot 8) + 3$ $\quad \frac{43}{8} \cdot \frac{3}{1} = \frac{129}{8}$ $\quad 8\overline{)129}$ 16 $\quad 16 \cdot 8 = 128$	$16\frac{1}{8}$
9. Ayana bought a container of peanuts. She gave $\frac{1}{4}$ of it to one sister, $\frac{1}{3}$ to another sister, and she kept the rest for herself. What fraction did she keep? $\frac{1}{4} + \frac{1}{3} + \boxed{A} = 1$ $\quad \frac{1}{4} = \frac{3}{12}$ $\quad \frac{1}{3} = \frac{4}{12}$ $\quad > \frac{7}{12}$ $\quad 1 - \frac{7}{12}$ $\quad \frac{7}{12} + \boxed{} = \frac{12}{12}$	$\frac{5}{12}$
10. A restaurant had 3 pies, each cut into eighths. By noon, $\frac{1}{2}$ of all the pieces were sold. How many pieces of pie were sold by noon? 8 8 8 = 24	12 PIECES

11. The Davis family traveled 20 miles in $\frac{1}{2}$ hour. If it is currently 2:00 P.M. and the family's destination is 240 miles away, at what time will they arrive? Explain how you solved the problem. MPH = 40 ← HOW FAST → $\frac{240 \text{ miles}}{40 \text{ mph}} = 6$ HRS. ← HOW FAR ← HOW MUCH TIME IT TAKES	8 PM
12. $\frac{4}{7} - \frac{2}{7} = \frac{2}{7}$ **A.** $\frac{2}{14}$ **B.** $\frac{1}{7}$ **C.** $\frac{2}{7}$ **D. 0**	C
13. $\frac{4}{5} + \frac{1}{5} = \frac{5}{5}$	1
14. $\frac{1}{6} \cdot \boxed{\frac{2}{2}} = \frac{2}{12}$ $\frac{1}{2} + \frac{1}{4} + \frac{1}{6} = \frac{6}{12} + \frac{3}{12} + \frac{2}{12} = \frac{6+3+2}{12} =$	$\frac{11}{12}$
15. $4\frac{1}{4} =$ $+ 5\frac{2}{4} =$ ADD THE FOLLOWING $4 + \frac{1}{4} + 5 + \frac{2}{4}$ $9 + \frac{3}{4}$	$9\frac{3}{4}$
16. $7\frac{5}{6} = 7-$ $+ 2\frac{1}{4} = 2-$ $7\frac{5}{6} = 7\frac{10}{12}$ $2\frac{1}{4} = 2\frac{3}{12}$ $9\frac{13}{12}$ $9 + 1\frac{1}{12}$	$10\frac{1}{12}$
17. $5 - 3\frac{1}{3} =$ $4\frac{3}{3} - 3\frac{1}{3} = 1\frac{2}{3}$ $\cancel{3} + \frac{1}{3}$ $5 - 3 = 2$ $2 - \frac{1}{3} = 1\frac{2}{3}$	$1\frac{2}{3}$
18. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ $\frac{1 \times 1}{2 \times 2} = \frac{1}{4}$	$\frac{1}{4}$
19. $\frac{2}{3} \div \frac{1}{2} =$ $\frac{2}{3} \div \frac{1}{2} = \frac{2}{3} \cdot \frac{2}{1} = \frac{4}{3} = 1\frac{1}{3}$	$-1\frac{1}{3}$
20. Stephanie is organizing her Movie collection. If each movie case is $\frac{3}{4}$ inches wide how many movies can she fit on a shelf $5\frac{1}{4}$ feet wide? $5\frac{1}{4}$ ft. $5 \cdot 12 = 60$ FEET TO INCHES $\frac{1}{4}$ OF $12 = 3$ $63 \div \frac{3}{4}$ $\cancel{63}^{21} \cdot \frac{4}{\cancel{3}_{1}} = 84$	84 MOVIES

$\frac{13}{15} = \frac{13}{15}$

$\frac{2}{3} \cdot \boxed{\frac{5}{5}} = \frac{10}{15}$

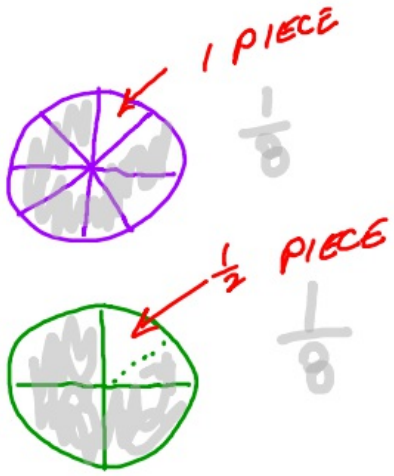
$\frac{3}{5} \cdot \boxed{\frac{3}{3}} = \frac{9}{15}$

$\frac{7}{8} \cdot \boxed{\frac{5}{5}} = \frac{35}{40}$

$\frac{3}{5} \cdot \boxed{\frac{8}{8}} = \frac{24}{40}$

$\frac{7}{8}$

$\frac{7}{8} > \frac{9}{15}$



$$5\frac{3}{8}\cdot 3$$

$$5\cdot 3 = 15$$

$$\frac{3}{8}\cdot\frac{3}{1} = \frac{9}{8} = 1\frac{1}{8}$$

$$15 + 1\frac{1}{8} = 16\frac{1}{8}$$

$\frac{4}{20} \cdot \boxed{\frac{5}{5}} = \frac{20}{100}$ $\quad 0.20 = 0.2$

$\downarrow$

$\frac{2}{10} = 0.2$

$\frac{16}{20} \div \boxed{\frac{4}{4}} = \frac{4}{5}$ $\qquad \frac{42}{100} \div \frac{2}{2}$

$5\frac{3}{8} \cdot 3 = 5 \cdot 3 = 15$

$\frac{3}{8} \cdot \frac{3}{1} = \frac{9}{8} = 1\frac{1}{8}$

$> 15 + 1\frac{1}{8} = 16\frac{1}{8}$

$$\left.\begin{aligned} -2(-3) &= 6 \\ 2(3) &= 6 \end{aligned}\right\} \text{SAME SIGNS}$$

$$\left.\begin{aligned} -2(3) &= -6 \\ 2(-3) &= -6 \end{aligned}\right\} \text{DIFFERENT SIGNS}$$