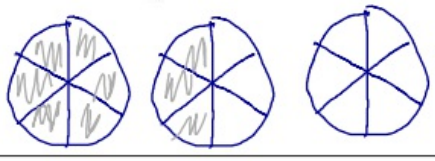
Name _____ Date _____ Per. _____ No. _____

0.0000 **Math 7 Chapter 4 Practice Test** $\frac{7}{10}=0.7$ $\frac{13}{100}=0.13$

1. What is $\frac{3}{50}$ as a decimal? **A.** 6.0 **B.** $0.\overline{6}$ **C.** 0.6 **D.** 0.06 $\frac{3}{50}=\frac{6}{100}=0.06$	D
2. What is $1\frac{5}{9}$ as a decimal? **A.** 0.15 **B.** $1.\overline{5}$ **C.** 1.5 **D.** 15.6 $\frac{5}{9}=0.\overline{5}$ $\frac{2}{9}=0.\overline{2}$	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.** $\frac{2}{5}$ $0.42=\frac{42}{100}$ $\frac{42}{100}\div\frac{2}{2}=\frac{21}{50}$	A
4. Which symbol makes $\frac{6}{11}$ ▢ $\frac{2}{5}$ a true sentence? **A.** > **B.** < **C.** = **D.** + $\frac{6}{11}\cdot\frac{5}{5}=\frac{30}{55}$ $\frac{2}{5}\cdot\frac{11}{11}=\frac{22}{55}$ $\frac{30}{55}>\frac{22}{55}$	A
5. Which of the following has the least value? **A.** $\frac{13}{15}$ **B.** $\frac{7}{8}$ **C.** $\frac{2}{3}=\frac{10}{15}$ **D.** $\frac{3}{5}=\frac{9}{15}$ $\frac{7}{8}=\frac{35}{40}$ $\frac{3}{5}=\frac{24}{40}$ $\frac{35}{40}>\frac{24}{40}$	D
6. A recipe calls for $\frac{1}{6}$ teaspoon of vanilla extract. If the recipe is doubled, how much vanilla extract is needed? TIMES 2 **A.** $\frac{1}{16}$ tsp **B.** $\frac{1}{3}$ tsp **C.** $\frac{1}{6}$ tsp **D.** 1 tsp $\frac{1}{6}\cdot\frac{2}{1}=\frac{2}{6}=\frac{1}{3}$	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.** $\frac{5}{8}$ $\frac{8}{8}-\frac{7}{8}=\frac{1}{8}$ WHOLE PIE	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 $5\frac{3}{8}\times 3$ $\frac{43}{8}\times\frac{3}{1}=\frac{129}{8}=16\frac{1}{8}$ $5\times 3=15$ $\frac{3}{8}\times\frac{3}{1}=\frac{9}{8}=1\frac{1}{8}$ $16\frac{1}{8}$	$16\frac{1}{8}$ CUPS OF MILK
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? $\frac{3}{3}\cdot\frac{1}{4}=\frac{3}{12}$ $\frac{4}{4}\cdot\frac{1}{3}=\frac{4}{12}$ $\frac{3}{12}+\frac{4}{12}=\frac{7}{12}$ GIVE TO HER SISTERS $\frac{12}{12}-\frac{7}{12}=\frac{5}{12}$ THE WHOLE CAN, GAVE SISTERS	AYANA GETS $\frac{5}{12}$ FOR HERSELF
10. A restaurant had 3 pies, each cut into ~~eighths~~ SIXTHS. By noon, $\frac{1}{2}$ of all the pieces were sold. How many pieces of pie were sold by noon? $\frac{1}{2}$ OF $18=9$  = 18 TOTAL PIECES	THEY SOLD 9 PIECES

(2)

BAR NOTATION

$\frac{2}{9} = 0.\overline{2}$

$12\frac{4}{9} = 12.\overline{4}$

$$\begin{array}{r} 0.2222 \\ 9\overline{)\,20} \\ \underline{18} \\ 20 \\ \underline{18} \\ 20 \\ \underline{18} \\ 20 \end{array}$$

$\frac{7}{9} = 0.\overline{7}$

$\frac{1}{9} = 0.\overline{1}$

(1) $\frac{3}{50} \overset{\times 2}{=} \frac{6}{100} = 0.06$

$\frac{3}{50} = 0.06$

$$\begin{array}{r} 0.06 \\ 50\overline{)\,300} \\ \underline{300} \\ 0 \end{array}$$

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

$\frac{7}{100} = 0.07$

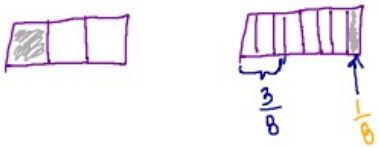
$\frac{15}{1000} = 0.015$

$\frac{2}{5} = \frac{4}{10} = 0.4$

$\frac{17}{20} \overset{\times 5}{=} \frac{85}{100} = 0.85$

(4) $\frac{5}{8}$ $\frac{5}{12}$

$\frac{1}{3} > \frac{1}{8}$



$\frac{1}{8} < \frac{3}{8}$

2:00 PM + 6 HOURS =

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.

20 MILES IN $\frac{1}{2}$ HOUR = 40 MILES PER HOUR $\quad \frac{240 \text{ MI}}{40 \text{ MPH}} = 6$ HOURS

8:00 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. $\frac{4}{5} + \frac{1}{5} = \frac{5}{5} = 1$

1

14. $\frac{1}{2} + \frac{1}{4} + \frac{1}{6} =$

$\frac{6}{12} + \frac{3}{12} + \frac{2}{12} = \frac{6+3+2}{12} = \frac{11}{12}$

$\frac{11}{12}$

15. $4\frac{1}{4} =$

$+ 5\frac{2}{4} =$

$4 + 5 = 9$ $\quad \frac{1}{4} + \frac{2}{4} = \frac{3}{4}$

$4\frac{1}{4} = \frac{17}{4}$ $\quad 5\frac{2}{4} = \frac{22}{4}$

$\frac{17+22}{4} = \frac{39}{4} = 9\frac{3}{4}$

$9\frac{3}{4}$

16. $7\frac{5}{6} = 7\frac{10}{12}$ (Hint for solving. Find the sum.)

$+ 2\frac{1}{4} = 2\frac{3}{12}$

$7\frac{10}{12}$

$+ 2\frac{3}{12}$

$7 + 2 = 9$

$\frac{10}{12} + \frac{3}{12} = \frac{13}{12} = 1\frac{1}{12}$ → $10\frac{1}{12}$

$10\frac{1}{12}$

17. $5 - 3\frac{1}{3} =$

$4\frac{3}{3} - 3\frac{1}{3} = 1\frac{2}{3}$

$5 - 3 = 2$ → $2 - \frac{1}{3} = 1\frac{2}{3}$

$2 = 1\frac{3}{3}$ $\quad 1\frac{3}{3} - \frac{1}{3} = 1\frac{2}{3}$

$1\frac{2}{3}$

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. $-\frac{2}{3} \div \frac{1}{2} =$

$-\frac{2}{3} \times \frac{2}{1} = \frac{-2 \times 2}{3 \times 1} = \frac{-4}{3} = -1\frac{1}{3}$

$-1\frac{1}{3}$

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?

63 in

5 ft × 12 = 60

$\frac{1}{4}$ ft × 12 = 3

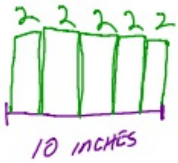
$\frac{63}{1} \div \frac{3}{4} = \frac{\cancel{63}^{21}}{1} \times \frac{4}{\cancel{3}_{1}} = 84$

STEPHANIE CAN STORE 84 MOVIE CASES ON THE SHELF

SHELF IS 10 INCHES WIDE

CASES ARE 2 INCHES WIDE

$10 \div 2$



$\frac{252}{3}$