Math 7 Chapter 4 Practice Test $50\overline{)3}$

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 $\frac{5}{9} = 0.\overline{5}$ $\frac{1}{9} = 0.\overline{1}$	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. $\frac{2}{5}$ $\frac{21}{50} = \frac{42}{100} = 0.42$	A
4. Which symbol makes $\frac{6}{11}$ ▢ $\frac{2}{5}$ a true sentence? A. > B. < C. = D. + $\frac{6}{11} > \frac{1}{2}$ $\frac{1}{2} > \frac{2}{5}$	A
5. Which of the following has the least value? A. $\frac{13}{15} = 0.8\overline{6}$ B. $\frac{7}{8} = 0.875$ C. $\frac{2}{3} = 0.\overline{6}$ D. $\frac{3}{5} = \frac{6}{10} = 0.6$	D
6. A recipe calls for $\frac{1}{6}$ teaspoon of vanilla extract. If the recipe is doubled, how much vanilla extract is needed? 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. $\frac{5}{8}$	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
  $5(3) = 15$ $\Big\rangle$ $15\frac{9}{8} = 16\frac{1}{8}$
  $\frac{3}{8}\left(\frac{3}{1}\right) = \frac{9}{8}$
	$16\frac{1}{8}$ 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? $\frac{1}{4} + \frac{1}{3} + \boxed{} = 1$ $\frac{1}{4} = \frac{3}{12}$ $\frac{1}{3} = \frac{4}{12}$ $\frac{3}{12} + \frac{4}{12} + \boxed{\frac{5}{12}} = \frac{12}{12}$	SHE KEPT $\frac{5}{12}$ FOR HERSELF
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? $\frac{8}{8} + \frac{8}{8} + \frac{8}{8} = \frac{24}{8}$ $\frac{24}{8} - \frac{12}{8} = \frac{12}{8}$	12 PIECES WERE SOLD BY NOON

11. The Davis family traveled 20 miles every $\frac{1}{2}$ 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.

$$\frac{240 \text{ MILES}}{40 \text{ MILES PER HOUR}} = 6 \text{ HOURS} \qquad 2PM + 6 \text{ HOURS} = 8 PM$$

THEY WILL ARRIVE AT

8 PM

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12. $\frac{4}{7} - \frac{2}{7} =$ $\dfrac{4-2}{7}$

　A. $\frac{2}{14}$ 　　　B. $\frac{1}{7}$ 　　Ⓒ $\frac{2}{7}$ 　　　D. 0

C

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13. $\frac{4}{5} + \frac{1}{5} =$ $\dfrac{4+1}{5} = \dfrac{5}{5} = 1$

1

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14. $\frac{1}{2} + \frac{1}{4} + \frac{1}{6} =$ 　$\frac{1}{2} = \frac{6}{12}$ 　　$\frac{1}{4} = \frac{3}{12}$ 　　$\frac{1}{6} = \frac{2}{12}$ 　　$\dfrac{6+3+2}{12} = \dfrac{11}{12}$

$\dfrac{11}{12}$

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15. $4\frac{1}{4} = \frac{17}{4}$ 　$\dfrac{17+22}{4} = \dfrac{39}{4} = 9\frac{3}{4}$ 　$4\frac{1}{4} + 5\frac{2}{4}$

$+5\frac{2}{4} = \frac{22}{4}$ 　　　　　$4+5=9$ 　$\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$ 　$9\frac{3}{4}$

$9\dfrac{3}{4}$

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16. $7\frac{5}{6} = 7\frac{10}{12}$ (Hint for solving. Find the sum.) 　$7\frac{10}{12} + 2\frac{3}{12}$

$+2\frac{1}{4} = 2\frac{3}{12}$ 　$\frac{5}{6} = \frac{10}{12}$ 　$7+2=9$ 　$\frac{10}{12} + \frac{3}{12} = \frac{13}{12} = 1\frac{1}{12}$ 　$10\frac{1}{12}$

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

$10\dfrac{1}{12}$

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17. $5 - 3\frac{1}{3} =$ 　$4-3=1 > \frac{2}{3}$ 　　$5-3=2$

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

$1\dfrac{2}{3}$

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18. $\frac{1}{2} \times \frac{1}{2} =$ 　$\dfrac{1 \times 1}{2 \times 2} = \dfrac{1}{4}$

$\dfrac{1}{4}$

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19. $-\frac{2}{3} \div \frac{1}{2} =$ 　$-\frac{2}{3} \times \frac{2}{1} = \dfrac{-2 \times 2}{3 \times 1} = \dfrac{-4}{3} = -\dfrac{4}{3} = -1\frac{1}{3}$

$-1\dfrac{1}{3}$

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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?

$$5\frac{1}{4} \times 12 = \frac{21}{4_1} \times \frac{12^3}{1} = \frac{63}{1} \qquad \frac{63}{1} \div \frac{3}{4} = \frac{63^{21}}{1} \times \frac{4}{3_1} = \frac{84}{1} = 84$$

FEET TO INCHES 　　MULTIPLY BY THE RECIPROCAL

SHE CAN FIT 84 MOVIES ON THE SHELF.