

Name _____ Period _____ Date _____

PRACTICE TEST: CHAPTER 7

For problems 1 – 4, multiply the decimals.

1)
$$\begin{array}{r} 0.35 \\ \times 0.3 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 1.26 \\ \times 0.2 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 3.8 \\ \times 1.7 \\ \hline \end{array}$$

4)
$$\begin{array}{r} 0.015 \\ \times 1.06 \\ \hline \end{array}$$

For problems 5 – 8, cross multiply to see if the fractions are equal.

5) $\frac{1}{3} = \frac{6}{21}$

6) $\frac{3}{4} = \frac{9}{10}$

7) $\frac{11}{16} = \frac{55}{80}$

8) $\frac{4}{7} = \frac{7}{14}$

For problems 9 – 12, find the missing number by cross multiplying. Your answers will be integers (whole numbers.)

9) $\frac{1}{3} = \frac{15}{y}$

10) $\frac{3}{4} = \frac{x}{12}$

11) $\frac{2}{7} = \frac{10}{t}$

12) $\frac{2}{5} = \frac{x}{20}$

For problems 13 – 16, find the missing number by cross multiplying. Your answers will have fractions/decimals.

13) $\frac{2}{3} = \frac{7}{a}$

14) $\frac{2}{b} = \frac{9}{18}$

15) $\frac{c}{6} = \frac{8}{16}$

16) $\frac{5}{6} = \frac{8}{z}$

For problems 17 – 20, use the percent equation to solve.

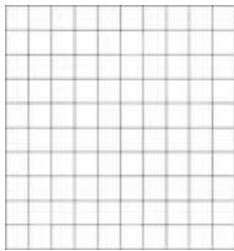
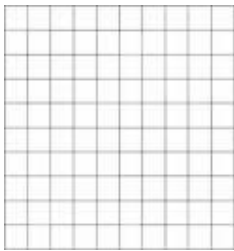
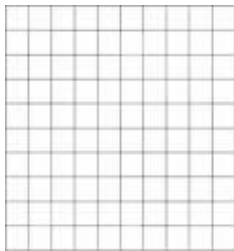
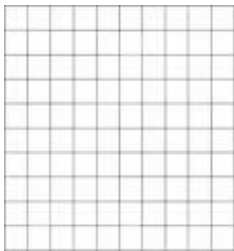
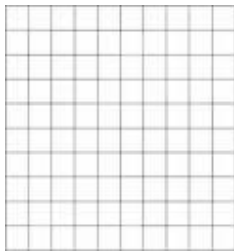
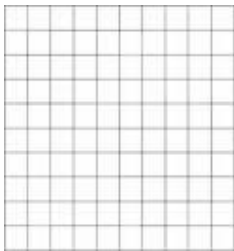
17) What is the percent equation?

18) 20 is what % of 140?

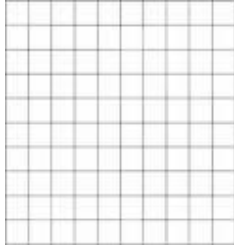
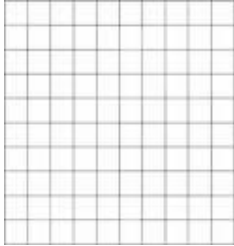
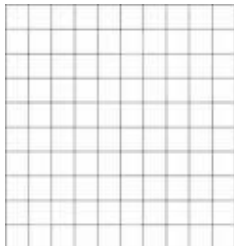
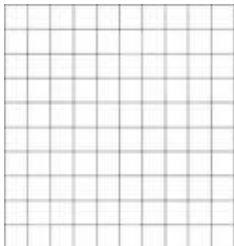
19) What is 30% of 60?

20) 40 is 10 % of what?

For problems 21 – 25, fill in table.

	Percent	Fraction	Decimal	Square Model	
21)	23 %				
22)		$\frac{78}{100}$			
23)		$1\frac{1}{10}$			

For problems 21 – 25, fill in table.

Percent	Fraction	Decimal	Square Model	
24)		1.29		
25)	156 %			

BONUS QUESTIONS:

$$\begin{array}{r} 16 \\ \times 1.3 \\ \hline \end{array}$$

$$\begin{array}{r} 0.056 \\ \times 2.6 \\ \hline \end{array}$$

Name ANSWER KEY Period _____ Date _____

PRACTICE TEST: CHAPTER 7

For problems 1 – 4, multiply the decimals.

$$\begin{array}{r} 1) \quad 0.35 \\ \times \quad 0.3 \\ \hline \end{array}$$

0.105

$$\begin{array}{r} 2) \quad 1.26 \\ \times \quad 0.2 \\ \hline \end{array}$$

0.252

$$\begin{array}{r} 3) \quad 3.8 \\ \times \quad 1.7 \\ \hline \end{array}$$

6.46

$$\begin{array}{r} 4) \quad 0.015 \\ \times \quad 1.06 \\ \hline \end{array}$$

0.0159

For problems 5 – 8, cross multiply to see if the fractions are equal.

$$5) \quad \frac{1}{3} \quad \frac{6}{21}$$

$$6) \quad \frac{3}{4} \quad \frac{9}{10}$$

$$7) \quad \frac{11}{16} \quad \frac{55}{80}$$

$$8) \quad \frac{4}{7} \quad \frac{7}{14}$$

$$\begin{array}{l} 1 \times 21 \quad 6 \times 3 \\ 21 \quad 18 \end{array}$$

$$\begin{array}{l} 3 \times 10 \quad 4 \times 9 \\ 30 \quad 36 \end{array}$$

$$\begin{array}{l} 11 \times 80 \quad 16 \times 55 \\ 880 \quad 880 \end{array}$$

$$\begin{array}{l} 4 \times 14 \quad 7 \times 7 \\ 56 \quad 49 \end{array}$$

Not Equal

Not Equal

Equal

Not Equal

For problems 9 – 12, find the missing number by cross multiplying. Your answers will be integers (whole numbers.)

$$9) \quad \frac{1}{3} = \frac{15}{y}$$

$$10) \quad \frac{3}{4} = \frac{x}{12}$$

$$11) \quad \frac{2}{7} = \frac{10}{t}$$

$$12) \quad \frac{2}{5} = \frac{x}{20}$$

45

9

35

8

For problems 13 – 16, find the missing number by cross multiplying. Your answers will have fractions/decimals.

$$13) \quad \frac{2}{3} = \frac{7}{a}$$

$$14) \quad \frac{2}{b} = \frac{9}{18}$$

$$15) \quad \frac{c}{6} = \frac{8}{16}$$

$$16) \quad \frac{5}{6} = \frac{8}{z}$$

10.5 or 10 1/2

4

3

9.6 or 9 3/5

For problems 17 – 20, use the percent equation to solve.

17) What is the percent equation?

$$\frac{a}{b} = \frac{p}{100}$$

18) 20 is what % of 140?

$$\frac{20}{140} = \frac{p}{100}$$

$$14\frac{2}{7} = p$$

$$14.29 = p$$

19) What is 30% of 60?

$$\frac{a}{60} = \frac{30}{100}$$

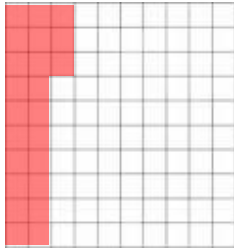
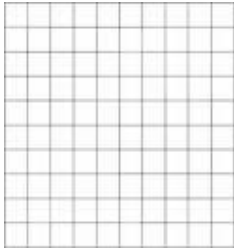
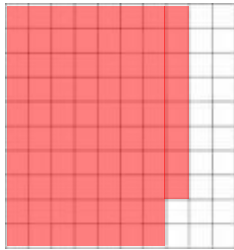
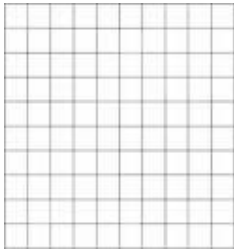
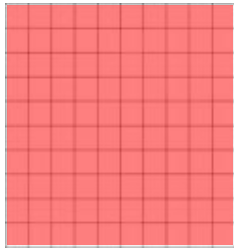
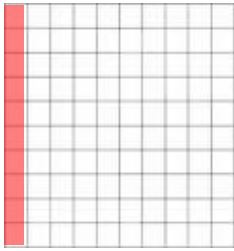
$$a = 18$$

20) 40 is 10 % of what?

$$\frac{40}{b} = \frac{10}{100}$$

$$b = 400$$

For problems 21 – 25, fill in table.

	Percent	Fraction	Decimal	Square Model	
21)	23 %	$\frac{23}{100}$	0.23		
22)	78%	$\frac{78}{100}$	0.78		
23)	110%	$1\frac{1}{10}$	1.10		

For problems 21 – 25, fill in table.

	Percent	Fraction	Decimal	Square Model
24)	129%	$1\frac{29}{100}$	1.29	
25)	156 %	$1\frac{56}{100}$	1.56	

BONUS QUESTIONS:

$$\begin{array}{r} 16 \\ \times 1.3 \\ \hline 20.8 \end{array}$$

$$\begin{array}{r} 0.056 \\ \times 2.6 \\ \hline 0.1456 \end{array}$$