Grade 7 Math   UNIT 3: FRACTIONS,DECIMALS, PERCENTS   REVIEW for Midterm NAME:_____

1. What is the simplest form of each fraction?

A) $\frac{27}{45}$	C) $\frac{64}{40}$
B) $\frac{60}{90}$	D) $\frac{15}{45}$

3. What is the value of the missing number to make equivalent fractions?

A) $\frac{4}{7} = \frac{\square}{21}$ B) $\frac{5}{\square} = \frac{1}{3}$ C) $\frac{3}{4} = \frac{27}{\square}$ D) $\frac{\square}{2} = \frac{18}{4}$

5. A) Put the following numbers in ascending order, i.e. from smallest to greatest.

    { 1.8, 13/9, 55%, ½, 1 1/9 } $\Longrightarrow$ _____ , _____ , _____ , _____ , _____

B) Put the following in descending order, i.e. from greatest to smallest.

    { 0.75 , 1/12, 60%,   1/5 , 1 1/2 }   _____ , _____ , _____ , _____ , _____

6. Convert to improper fraction: 3 ¼ = _____

7. Complete the table.

Percent	Decimal	Fraction
45%		
	0.6	
		$\frac{3}{5}$
30%		
		$\frac{11}{25}$
	0.27	

8. Jasmine has 8 boys out of 20 students in her art class.

A) What percent are boys?	B) What percent are girls?

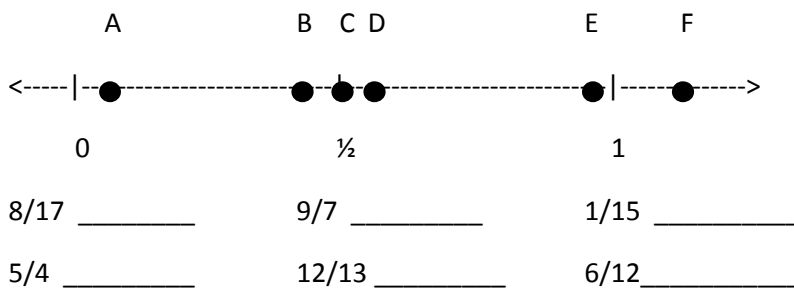|	

9. Estimate using front-end strategy.

A) 2.45 + 6.83 + 11.35 +0.006

B) 19.02+4.68+ 9.001+16.89

10. What fraction is a good estimation for the number on this number line?

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         A              B  C D           E      F
<-----|--●--------------●-●●-------------●|----●----->
      0                 ½                1
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8/17 _____   9/7 _____   1/15 _____

5/4 _____   12/13 _____   6/12_____

11. Evaluate.

A) 8.023 − 5.234	B) 9.67 + 0.234	C) 7.1 X 0.6
D) 6.4 ÷ 0.8	E) 0.84÷ 1.6	F) 35% of 1.7

12. Evaluate.

A) 7.3	B) 2.81 ÷ 0.8 Round to nearest hundredth
X 4.2	
CHECK the reasonableness of your answer by using estimation	CHECK the reasonableness of your answer by using estimation

13. Put either $<$, $>$, or $=$ in the circle to make each statement true.

A) $\frac{1}{2}$ ◯ $\frac{10}{20}$

B) $\frac{3}{7}$ ◯ $\frac{3}{19}$

C) $\frac{3}{4}$ ◯ $\frac{1}{9}$

D) 0.$\overline{17}$ ◯ 0.17

14. (i) MODEL:

A) What is the multiplication statement for the decimals shown below?	B) What is a division statement for the decimals shown below?	C) Calculate your answer.

ii) MODEL:
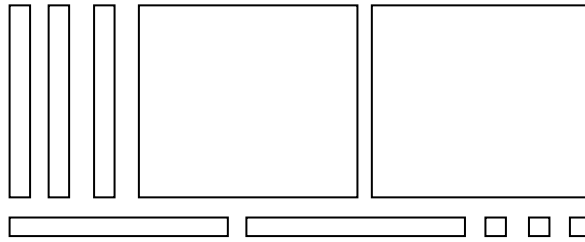
C) What is the multiplication statement for the decimals shown below?	D) What is a division statement for the decimals shown below?	E) Calculate your answer.

14. Word problems:

A)   Allen saw a WII game for $47.99. What was his total cost including tax? (Remember: NL sales tax is 13%.)

C) Sherry got a 46% discount on a shirt which was originally $53. How much was her discount?

D) Mike saw a coat for $199.99. The store had a 30% sale on.

     (i) What was the discount price?

     (ii) How much did he pay the cashier? Include the tax.

15. Evaluate using order of operations. (6)

A) 12.9 + 3.2 x 7.8	B) 9.06 ÷ (6.2 − 4.7
C) 2.3 x (5.7 - 2.2)	D) Show the long division for 12.4 ÷ 3.7 Round answer to nearest hundredth

17. In class, 64 % like pizza. Shade this percent below.

TITLE:_____

18. Given the set { $\frac{1}{3}$, $\frac{4}{5}$, , $\frac{7}{11}$, $\frac{1}{8}$, $\frac{7}{99}$, $\frac{7}{100}$ }, convert all to decimals then percents.

FRACTION	DECIMAL	PERCENT