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

1. Identify the following as :

      proper fraction   improper fraction   mixed fraction

      terminating decimal   repeating decimal   percent

A) 1/8	G) 1/3
B) 4/11	H) 0.$\overline{7}$
C) 0.33333⋯	I) 3/100
D) 5/3	J) 5/99
E) 15%	K) 2$\frac{1}{3}$
F) 0.505	L) 0/4

2. What is the simplest form of each fraction?

A) $\frac{18}{45}$	C) $\frac{64}{24}$
B) $\frac{70}{90}$	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.

      { 1.6, 14/9, 45%, ½ , 1 ¾ } ⟹ _____ , _____ , _____ , _____ , _____

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

      { 0.3 , 1/9, 70%,   4/5 , 1 1/2 }   _____ , _____ , _____ , _____ , _____

6. Convert to improper fraction: 3 ¼ = _____

7. Complete the table.

Percent	Decimal	Fraction
35%		
	0.8	
		$\dfrac{2}{5}$
20%		
		$\dfrac{17}{25}$
	0.23	

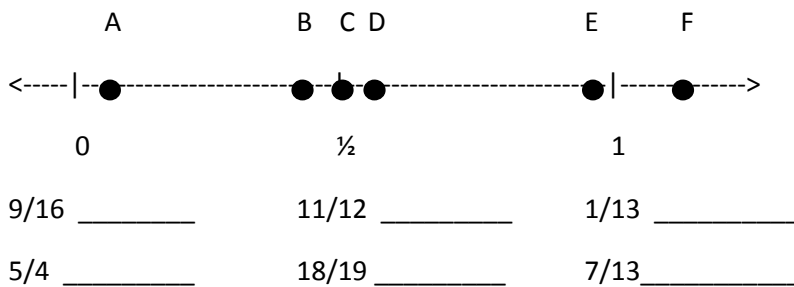8. Jasmine has 12 boys out of 20 students in her art class.

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

9. Estimate using front-end strategy.

A) 3.45 + 6.89 + 19.35 +0.002

B) 11.02+3.28+12.002+9.89

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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9/16 _____   11/12 _____   1/13 _____

5/4 _____   18/19 _____   7/13_____

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) 3.7	B) 2.31 ÷ 0.6
X 2.6	
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) $\frac{1}{2}$ ◯ $\frac{10}{21}$

B) $\frac{3}{5}$ ◯ $\frac{3}{11}$

C) $\frac{3}{4}$ ◯ $\frac{5}{9}$

D) $0.\overline{12}$ ◯ 0.12

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) 11. Ned had $5.21. He bought a large fries with gravy for $ 3.72 .How much money does he have left?

B) Allen saw a WII game for $50.99. What was his total cost including tax? (Remember: NL sales tax is 14%.)

C) Sherry got a 40% discount on a shirt which was originally $49. How much was her discount?

D) Mike saw a computer chair for 89.99. The store had a 20% sale on.

    (i) What was the discount price?
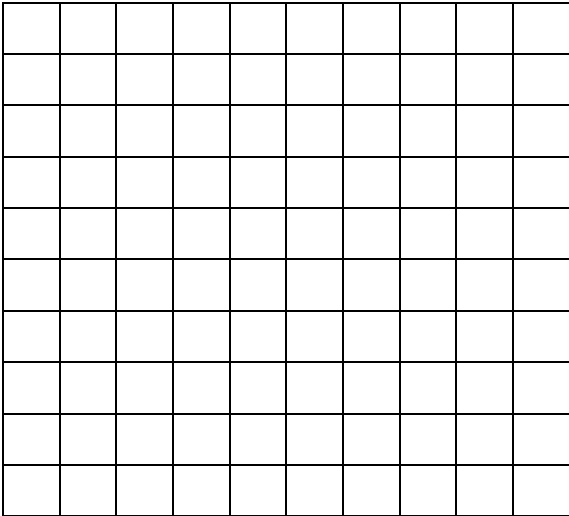
    (ii) How much did he pay the cashier?

15. Evaluate using order of operations. (6)

A) $8.9 + 5.2 \times 3.8$	B) $8.06 \div (6.5 - 3.4)$
C) $2.3 \times (3.7 - 2.2)$	

17. In class, 30 % like bananas, 25 percent like plums and the rest like grapes.

TITLE:_____

KEY: ☐ Bananas

☐ Plums

☐ Grapes

QUESTION: What percent likes grapes? _____