

Warm up Grade 6

Test Review

Date: _____

Test is **Tomorrow**

Test Review

1) Write the number form of 3 and 17 hundred-thousandths

3.00017

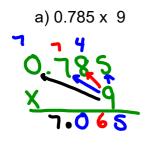
2) How are the red digits related?

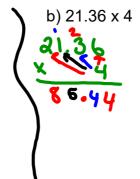
8 hundredths is 1000 times greater 0.086 2 thoug hundred-thousandths 1000

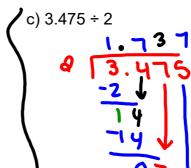
3) Estimate 7.236 x 4

4) Place the decimal in the correct place (Use estimation to show your thinking)

5) Find the actual product or quotient







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Practice

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    Divide.
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a) 0.28 ÷ 4

b) 0.042 ÷ 7

c) 0.015 ÷ 3

d) 0.024 ÷ 6

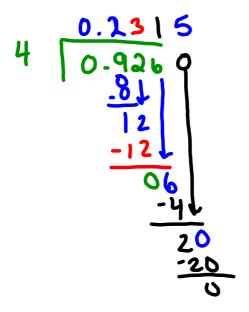
e) 0.16 ÷ 8

f) 0.0036 ÷ 9

(a) 4 0.07 -28

2. Find each quotient. What patterns do you see?

3. Quincy has 0.926 m of string.
Suppose he cuts the string into 4 equal lengths.
What is the length of each piece of string?



The length of each piece of string is 0.2315m

- 4. a) A typical hamster eats 0.084 kg of food a week.
 About how much food does a hamster eat in one day? He eats 0.012 kg of Food.
 b) Jiri's hamster was put on a special diet.
 Over 5 days, his hamster ate about 0.054 kg of food.
 - 5 0.0540

About how much food did Jiri's hamster eat in one day?

Jiri's hamster eats 0.0128 kg of food each day. 5. Without dividing, choose the correct quotient for each division question. Explain your choice each time. Divide to check.

	Question	F	Possible Quotients	,
a)	0.072 ÷ 9	0.8	0.08	0.008
b)	0.124 ÷ 8	0.155	0.0155	0.001 55
c)	0.0045 ÷ 2	0.225	0.0225	0.002 25

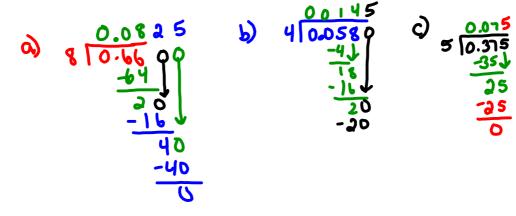
a) 72 thousandths
$$\div$$
 9 = 8 thousandths $0.--3$



6. A student said that since $51 \div 3 = 17$, then $0.051 \div 3$ is 0.17. Is the student's reasoning correct? Give reasons for your answer.

- 7. Divide. Which strategies did you use to estimate?
 - a) 0.66 ÷ 8
- **b)** 0.058 ÷ 4
- c) 0.375 ÷ 5

- d) 0.05 ÷ 8
- e) 0.0061 ÷ 2
- f) 0.039 ÷ 6



Test outline (Practice Test) Unit 3 Test REVIEW on Decimals

Math 6

Name:			
maille.			

- 1. Write the expanded decimal form & the written form of
- a. 3.250 006
- b) 0.200 5
- HOW ARE THE VALUES OF THE 4'S IN EACH NUMBER RELATED?
 a) 0.405 436

- 3. ESTIMATE EACH PRODUCT AND QUOTIENT. REMEMBER TO SHOW YOUR WORK
- a. 21.2 x 5 =

- B. $37.7 \div 6 =$
- c) 7.57 x 4 =
- 4. ESTIMATE TO PLACE THE DECIMAL POINT. REMEMBER TO SHOW YOUR WORK
 - a. 11.62 x 3 = **3846**

Estimate:

b. 1.368 x 7 = **9576**

Estimate:

- 5. MULTIPLY. REMEMBER TO SHOW YOUR WORK
- a. 21.68 x 7
- b) 0.054 x 5
- c) 8.627 x 7
- d) 0.215 x 9

6. ESTIMATE TO CHOOSE THE CORRECT QUOTIENT FOR EACH DIVISION QUESTION

Question		Possible Quotient	S	Estimate here
a) 17.836 ÷ 7	2.548	0.2548	25.48	
b) 9.42 ÷ 2	471	0.471	4.71	
c) 72.72 ÷ 8	0.909	90.9	9.09	
d) 45.62 ÷ 5	9.124	91.24	0.9124	

7.	DIVIDE. ESTIMATE TO	PLACE '	THE DECIMAL POINT.	REMEMBER TO SHO	OW YOUR WORK
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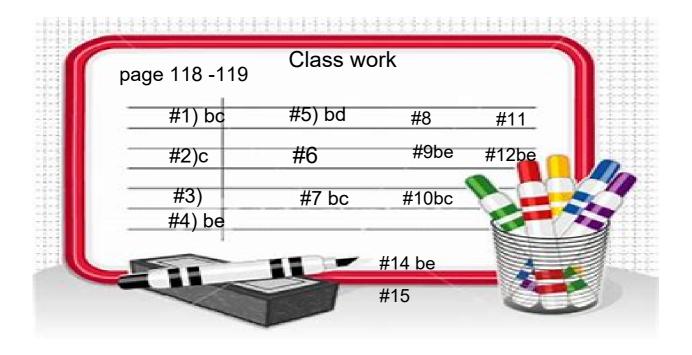
(6 points)

a. 23.905 ÷ 7 Estimate: Show work for actual

b. 62.36÷ 2 = Estimate: Show work for actual

- 9) Find the actual quotient
- a) $0.0944 \div 4$ b) $0.16 \div 2 =$

10) Jim paid \$11.85 for 3 juice. Leo paid \$21.72 for 6 juice. Who got the better deal on their drinks?



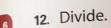
Show What You Know Unit 3 LESSON 1. Write each number in standard form. a) 2 and 12 ten-thousandths b) 7 millionths c) 16 and 46 hundred-thousandths d) 1 and 51 millionths 2. How are the values of the red digits in each number related? a) 0.626 b) 5.489 48 3. The Bigleaf Maple tree is native to the Queen Charlotte Islands. It produces winged seeds that can be carried long distances by the wind. A seed has a mass of about 0.126 582 g. Write this number as many ways as you can. 4. Estimate. Which strategies did you use? Tell if your estimate is an overestimate or an underestimate. a) 6.23×4 b) 21.872×3 c) 9.49×7 f) 19.8 ÷ 4 e) 125.431 ÷ 5 d) 18.39 ÷ 3 5. The decimal point is missing in each product. Use front-end estimation to place each decimal point. **b)** $7.53 \times 3 = 2259$ a) $6.9 \times 7 = 483$ d) $2.307 \times 5 = 11535$ c) $11.288 \times 4 = 45152$ f) $4.916 \times 5 = 2458$ e) $3.005 \times 4 = 1202$ 6. The Giant Fan Palm produces the world's largest seed. A seed has a mass of about 9.075 kg. What is the combined mass of 6 of these seeds? 7. Multiply. Estimate to place the decimal point. a) 0.321×6 **b)** 0.0249×5 c) 0.0043×7 8. The recipe Sebastian wants to make requires 1.5 L of evaporated milk. He has four 0.385-L cans. Does he have enough milk? Show your work.

LESSON 5

- g. Estimate each quotient. Which strategies did you use?
 - d) $42.3 \div 9$
- **b)** 22.41 ÷ 4
- e) 8.27 ÷ 4
- c) 4.189 ÷ 2
- f) 7.1348 ÷ 8
- 10. Estimate to choose the correct quotient for each division

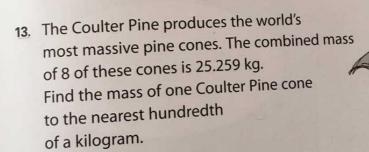
Question		TOT Each divisio		
9.348 ÷ 3	Possible Quotients			
	3.116 0.105 85	31.16	311.6	
1 000		1.0585	10.585	
1.888 ÷ 8	0.236	2.36	23.6	

11. James Steacy of Saskatoon won the silver medal in the men's discus throw at the 2006 Commonwealth Games in Melbourne, Australia. In the finals, James threw the discus 6 times for a total distance of 431.94 m. About how far did he throw each discus?



- a) 24.15 ÷ 6
- **b)** \$31.87 ÷ 8
- c) $9.3 \div 6$

- d) 14.523 L ÷ 4
- e) 3.5 m ÷ 9
- f) \$11.68 ÷ 9





- 14. Divide. Which strategies did you use to estimate?
 - a) 0.58 ÷ 8
- **b)** 0.066 ÷ 4
- c) 0.142 ÷ 8

- e) 0.081 ÷ 6
- f) 0.09 ÷ 5

- d) 0.0075 ÷ 6

- 15. Darcy takes one chewable multivitamin each morning. Each week, Darcy gets 0.0119 g of riboflavin from the vitamins. How much riboflavin is in one multivitamin? Show your work.





- use place value to represer numbers less than one thousandth
- multiply decimals by a 1-digit number
- divide decimals by a 1-digit number

Unit 3