

Name: _____

Due Date: _____

TOPIC 6 STUDY GUIDE

1. Lucia scored an 8.65 on her first gymnastics event at a meet. If she gets the same score on each of the four events, what will be her total score? Show your work.

2. Mrs. Delgado needs to buy 160 begonias for her flowerbed. At the prices shown, how much would she save if she bought them by the flat instead of buying them separately?

Begonia Prices	
One Plant	\$1.79
One Flat (20 plants)	\$30

3. What is 0.75×10^3 ?

4. Which of the following provides the *best* estimate of the product of 59×0.19 ?

- a. $100 \times 0.5 = 15$
- b. $60 \times 0.2 = 12$
- c. $60 \times 0.1 = 6$
- d. $70 \times 0.2 = 14$

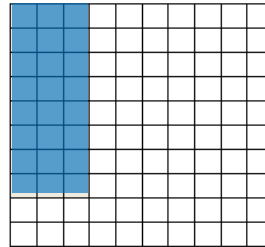
5. A farmer plants 0.4 of a field with wheat. The field is 3.45 acres in size. How many acres are planted with wheat? Show your work.

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6. What expression does this decimal model to the right show?

- a. 0.08×0.03
- b. 0.8×0.3
- c. 0.7×0.2
- d. 0.4×0.6



7. Estimate the product of 204 and 0.46. Explain what method of estimation you used and why it works.

8. Sue bought 4.6 meters of fabric that cost \$3.57 per meter. What was her total cost? Show your work.

9. What is 0.42×102 ?

10. Al and Barb each go to the store to buy school supplies. Al buys 11 colored pencils for \$0.69 each and Barb buys 3 packs of folders for \$2.70 per pack. Who spent more at the store Explain.

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11. Alyssa is painting her bedroom blue. Each of four walls has dimensions 8.1 feet by 12.9 feet. How much area will she paint? Show your work.

Use the table below for # 12- 14

12. Mario is buying oranges from a fruit stand. He buys 4 pounds. Estimate how much he spends. Is your estimate an underestimate or overestimate? Explain.

Michelle's Fruit Stand	
Type of Fruit	Cost (per lb.)
Apples	\$1.29/lb
Lemons	\$2.49/lb
Oranges	\$1.69/lb
Tangerines	\$1.19/lb

13. Antoinette buys 6 pounds of tangerines. She pays with a \$10 bill. How much did she spend? How much change does she receive? Show your work.

14. Nico buys 3 pounds of lemons and 4 pounds of apples. How much does he spend in all? Write and solve an equation.

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15. Kendall worked 25.5 hours one week. If she earns \$12.50 per hour, how much did she earn that week? Explain how you know where to put the decimal point.