Unit 5 Test Study Guide

Calculators should not be used.

 Lin has 11.024 yards of fabric that she wants to create 4 costumes out of. How long will each piece of fabric be?

2.75 6 4)11.024 -8 -28 -28 -22 -20 -24 -24

2.756 yds

- 2. What is the quotient 2,956 ÷ 0.03?

 98533.3

 3 295600.8

 -27

 25

 -29

 16

 -15

 10

 -9

 10

 -9
- 3. Select all of the expressions that have the same value as 518 ÷ 2.
 - a. 528 ÷ 10
 - b. 5.18 ÷ 0.2 •
 - (c.) 5180 ÷ 20
 - d.) 0.518 ÷ 0.002
 - e. 51.8 ÷ 0.02

Find each quotient using long division.

4. 527 ÷ 17 31 27 527 -51 -17 -17 6. 1752÷4 438 4 1752 -16 15 -12 32 -32

A stack of 400 index cards is 2.16 inches tall.

7. Compute the thickness of each card.

0.0054 400) 21600 -2000 -1600 -1600

0.0054 inches

A sign in a grocery store gives these options:

- 16 cookies for \$31
- 14 cupcakes for \$25
- 28 cupcakes for \$49

Find each unit price to the nearest cent, and show your reasoning.

- 9. 14 cupcakes for \$25 41.79
- 10. 28 cookies for \$49 \$1.75

11. Which option gives the lowest unit price?

349 For 28 cookies

12. Kiran and 3 of his friends are going to split the lunch bill of \$24.48. How much will each person have to pay?

- \$6.12
- 13. Han spent a total of \$221.76, before tax, on bags of chips for the basketball team, and each bag cost \$3.52. What is the total number of bags of chips that Han bought?

63 bags.

14. Which will result in the greatest value?

15. A bus travels at an average speed of 65.1 miles in 3 hours in the city. How far could the bus travel in 8.2 hours?

177.94 miles in 8.2 hours

16. A bag of marbles weighs 2.3 kilogram. Each marble weighs 1.25 grams. About how many pennies are in the bag? (Be careful, one's in kilograms and the other is in grams. You will need to convert K H D U D C M)

1840 marbles