Unit 6 Division & Angles
Study Guide

NAME **Answer Key**

1. A jumbo box of Ginger Man Cookies contains 35 cookies. Tina and her three sisters decide to share them equally. How many whole cookies will each girl get?

   8 cookies

   Number model: **35 ÷ 4 = 8 R3**

2. Grace baked 51 doughnuts for the fourth grade breakfast party and put them on plates. Each plate holds 6 doughnuts. How many plates were needed to hold all of the doughnuts?

   9 plates

   Number model: **51 ÷ 6 = 8 R3**

3. Mrs. Green wanted to buy a washing machine and pay for it in 1 year. Z-Mart offers two plans and she wants to choose the cheaper one.

   Plan A: $5 each week; a total of 52 payments.
   Plan B: $26 each month; a total of 12 payments.

Plan A	Plan B
52	26
X 5	x12
$260	52
	+260
	$312

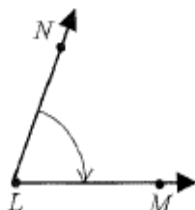   Which plan should Mrs. Green choose? Explain how you made your choice.

   Mrs. Green should choose Plan A because it is $52 cheaper.

4. Solve. If there is a remainder, write the answer as a mixed number.

   $3\overline{)66}$ **22**

Measure each angle below as accurately as you can. From the following, choose the type for each angle: (acute,) right, obtuse, straight, or reflex.
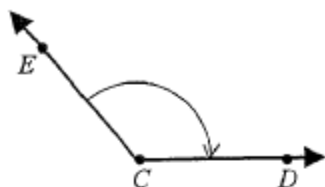
5.

80⁰ acute

Measure each angle below as accurately as you can. From the following, choose the type for each angle: acute, right, obtuse, straight, or reflex.

6.

130⁰ obtuse

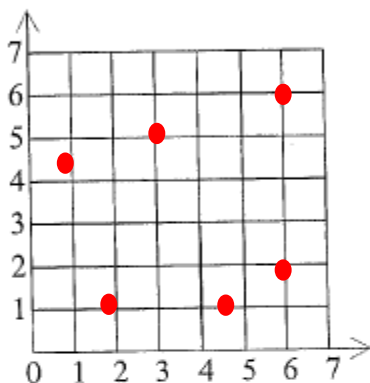7. Plot and label each point on the coordinate grid.

$A(6,2)$

$B\left(4\frac{1}{2},1\right)$

$C(2,1)$

$D\left(1,3\frac{1}{2}\right)$

$E(3,5)$

$F(6,6)$

8. Make a true sentence by inserting parentheses.
$3*(5+39)=132$

9. Insert parentheses to make this number sentence true:
$37 = 1*1+9*4$

10. Make a true sentence by inserting parentheses.
$8 \times 3 + 12 = 3 \times 4 \times 3$

11. Insert parentheses to make this number sentence true:
$1+2*1/3=1$

12. Round a population of 11,385,985 to the nearest ten-thousand.
11,390,000

13. Round a population of 3,827,308 to the nearest ten-thousand.

31,830,000