Everyday Mathematics

Grade 4
Unit 6 Name:

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?

   _____ cookies

   Number model: _____

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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?

   _____ plates

   Number model: _____

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

3. $3\overline{)66}$

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4. $155 \div 6$

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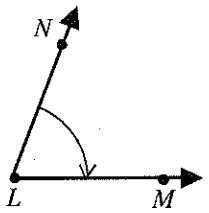
5. Mrs. Green wanted to buy a washing machine and pay for it in 1 year. Z-Mart offers two plans and she wants to choose the cheaper one.

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

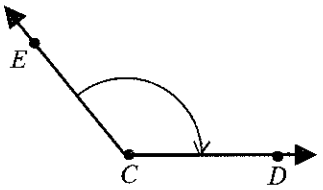
   Which plan should Mrs. Green choose? Explain how you made your choice.

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.



7.



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

$A(6,2)$

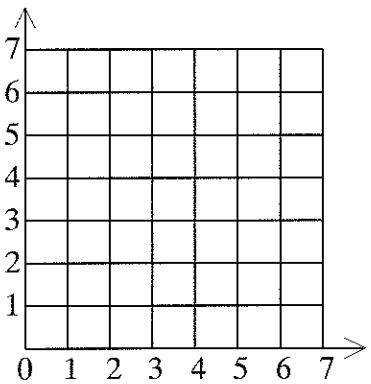
$B\left(4\frac{1}{2},1\right)$

$C(2,1)$

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

$E(3,5)$

$F(6,6)$



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9. Make a true sentence by inserting parentheses.

$3*5+39=132$

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10. Insert parentheses to make this number sentence true:

$37=1*1+9*4$

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

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

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13. Round a population of 11,385,985 to the nearest ten-thousand.

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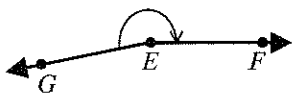
14. Measure each angle below as accurately as you can.



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15. Draw reflex angle *RQP* so that it measures 235°.

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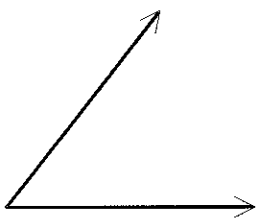
16. Three students measured the angle given below.



- Austin used his half- circle protractor. He said the angle measures about 52°.
- Leo used his half-circle protractor. He said the angle measures about 128°.
- Ava used her half-circle protractor. She said the angle measures about 308°.

Use your half-cicle protractor and your full-circle protractor to measure the angle. Do you agree with Austin, Leo, or Ava? Why?

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

17. 361/15

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18. $25\overline{)417}$

8 cookies

[1] Number model: $35 \div 4 = 8\text{R}3$

9 plates

[2] Number Model: $51 \div 6 = 8\text{R}3$

[3] Answer: 22

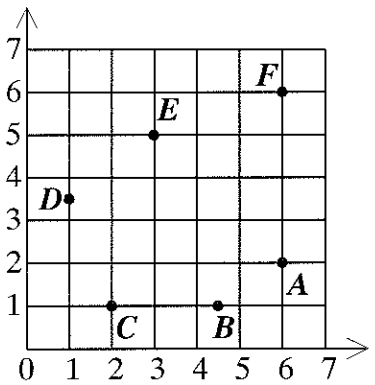
[4] Answer: $25\frac{5}{6}$

[5] Plan A; Plan A would cost \$260 $(5 * 52)$, while Plan B would cost \$312 $(26 * 12)$.

[6] $\angle NLM$: $69°$; angle type: acute

[7] $\angle ECD$: $129°$; angle type: obtuse

[8]



[9] $3 * (5 + 39) = 132$

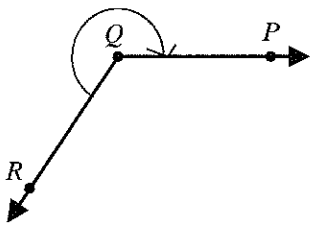
[10] $37 = (1 * 1) + (9 * 4)$

[11] $(8 \times 3) + 12 = 3 \times 4 \times 3$

[12] $(1+2*1)/3=1$

[13] 11,390,000

[14] $\angle GEF$: 192° (approximately)

[15] 

[16] Sample answer: Austin and Ava are correct, because their answers are the measures of the two angles formed by these two rays.

[17] Answer: $24\frac{1}{15}$

[18] Answer: $16\frac{17}{25}$

1. **A Trip to Adventure Land**

The students in Ms. Brown's and Mr. Ron's classes at Ridge Elementary School are going on a field trip to Adventure Land. There are 26 students in each class.

Mr. Ron's class secretary has the following information about admission prices:

Adventure Land
Special Group Rates:
One Class—$75.00
Adults (1 for every 10 students)—Free

It costs $90.00 to rent a bus for a day. One bus can hold 60 people.

Calculate the amount of money each student needs to pay for the trip. Explain your strategy below.

Sample answer: There are 26 students in each class, so 52 students are going. That means they need 6 adults to go. So 58 people are going. Since a bus holds 60 people, one bus will be enough. The cost to get into Adventure Land will be $75.00 * 2, which is $150.00. The bus costs $90.00, so the total cost of the trip is $150.00 + $90.00 = $240.00. There are 52 students, so I divided $240.00 by 52 and got about $4.62. So to be safe, have each student
[1] pay $5.00. $5.00 time 52 is $260.00, so there will be enough money.