Unit 06 PC Form A

1. 📏 **Use pencil and paper to answer the question.**
   There are 67 crackers in a box. Deon and his six brothers decide to share them equally. How many whole crackers will each boy get?
   Number model: _____
   Answer: _____ crackers

2. 📏 **Use pencil and paper to answer the question.**
   There are 45 marbles in a box. Nigel and his five brothers decide to share them equally. How many whole marbles will each boy get?
   Number model with unknown: _____
   Answer: _____ marbles
   Summary number model: _____

3. 📏 **Use pencil and paper to answer the question.**
   Reginald baked 69 brownies for the school carnival. He put the brownies on plates. Each plate holds 8 brownies. How many plates were needed to hold all of the brownies?
   Number model: _____
   Answer: _____ plates

4. 📏 **Use pencil and paper to answer the question.**
   Malik built 74 birdhouses to sell at a school fundraiser. He put the birdhouses in boxes. Each box holds 8 birdhouses. How many boxes were needed to hold all of the birdhouses?
   Number model with unknown: _____
   Answer: _____ boxes
   Summary number model: _____

5. Divide. If there is a remainder, write it as a fraction.
   $7\overline{)102}$ Answer:_____

   a. $14\frac{4}{7}$ b. 14 c. $13\frac{4}{7}$ d. $14\frac{1}{7}$

6. Divide. If there is a remainder, write it as a fraction.
   $168 \div 8$ Answer: _____
   a. 21 b. 20 c. 31 d. 10

7. 📏 **Use pencil and paper to answer the question.**
   Divide. If there is a remainder, write it as a fraction.

   a. $5\overline{)405}$ Answer: _____

   b. $157 \div 9$ Answer: _____

Unit 06 PC Form A

8. ✏️ **Use pencil and paper to answer the question.**
Mrs. Gutierrez wants to buy a rug and pay for it in 1 year. The store offers two payment plans, and she wants to choose the cheaper one.
Plan A: $13 each week; a total of 52 payments
Plan B: $56 each month; a total of 12 payments
Which plan would cost less? _____
Explain your answer.

_____

_____
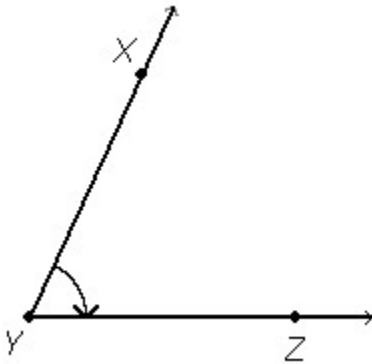
_____

_____

9. ✏️ **Use pencil and paper to answer the question.**
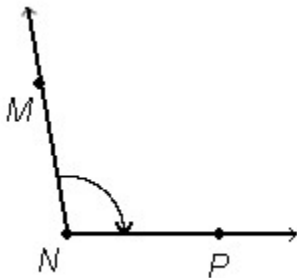Determine whether $\angle XYZ$ is acute, right, or obtuse. _____
Find the measure of $\angle XYZ$: _____°

10. ✏️ **Use pencil and paper to answer the question.**
Determine whether $\angle MNP$ is acute, right, or obtuse. _____
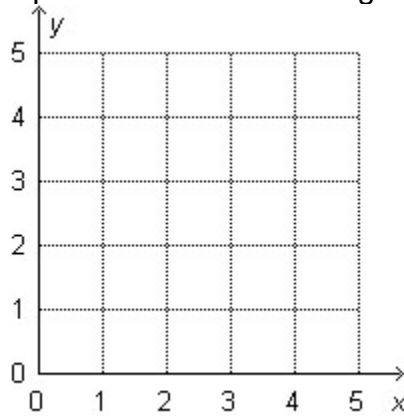Find the measure of $\angle MNP$: _____°

Unit 06 PC Form A

11. ▭▸ **Use pencil and paper to answer the question.**
   Plot and label each point on the coordinate grid.

   A (5,2)
   B (2,2)
   C (0,0)
   D (1,3)
   E (2,4)

12. ▭▸ **Use pencil and paper to answer the question.**
   Insert parentheses to make the number statement true.
   $6 + 5 * 7 = 77$

13. ▭▸ **Use pencil and paper to answer the question.**
   Insert parentheses to make the number statement true.
   $41 = 7 * 3 + 5 * 4$

14. ▭▸ **Use pencil and paper to answer the question.**
   Insert parentheses to make the number statement true.
   $2 + 8 * 8 = 2 * 3 * 11$

15. ▭▸ **Use pencil and paper to answer the question.**
   Insert parentheses to make the number statement true.
   $6 + 6 * 7 \div 6 = 8$

16. ▭▸ **Use pencil and paper to answer the question.**
   Insert parentheses to make these number sentences true.
   a. $9 + 1 * 6 = 60$
   b. $38 = 6 * 3 + 5 * 4$
   c. $8 + 9 * 4 = 2 * 2 * 11$
   d. $1 + 5 * 7 \div 4 = 9$

17. Round to the nearest hundred.
   456,983   _____

18. Round to the nearest ten.
   6,665,423   _____

19. Round to the nearest thousand.
   74,104,715   _____

Unit 06 PC Form A

20. Round to the nearest hundred.
    227,416,531   _____

21. 🖍️ **Use pencil and paper to answer the question.**
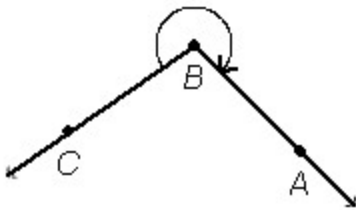   Round these numbers to the nearest ten thousand.
    a. 358,519   _____
    b. 7,388,949   _____
    c. 65,443,369   _____
    d. 583,228,251   _____
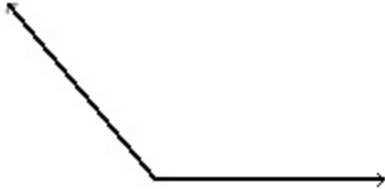
22. Measure reflex angle *CBA*. _____°

23. 🖍️ **Use pencil and paper to answer the question.**
    Draw reflex angle *DEF* so that it measures 235°.

Unit 06 PC Form A

24. ✏️ **Use pencil and paper to answer the question.**
    Three students measured the angle below.

- Bill used his half-circle protractor.
  He said the angle measure is about 50°.
- Jayla used her half-circle protractor.
  She said the angle measure is about 130°.
- Hugo used his full-circle protractor.
  He said the angle measure is about 230°.

Use your half-circle and your full-circle protractor to measure the angle. Do you agree with Bill, Jayla, or Hugo? Why?

_____

_____

_____

_____

25. Divide. If there is a remainder, write it as a fraction.
    $599 / 16$ Answer: _____
    a. $37\frac{7}{16}$ b. $37\frac{8}{16}$ c. $38\frac{7}{16}$ d. $36\frac{8}{16}$

26. Divide. If there is a remainder, write it as a fraction.
    $38\overline{)646}$ Answer: _____
    a. 17   b. $16\frac{11}{38}$ c. $17\frac{11}{38}$ d. 16

Unit 06 PC Form A

27. 🖉 **Use pencil and paper to answer the question.**
    Divide. If there is a remainder, write it as a fraction.

    a. $26\overline{)494}$ Answer: _____

    b. $325 \div 12$ Answer: _____

28. 🖉 **Use pencil and paper to answer the question.**
    A Trip to Adventure Land
    The students in Ms. Clare's and Mr. Kelly's classes at Ridge Elementary School are going on a field trip to Adventure Land. There are 30 students in each class.
    Mr. Kelly's class secretary has the following information about admission prices:

    Adventure Land
    Special Group Rates:
    One Class - $90.00

    Adults (1 for every 10 students) - Free

    It costs $90.00 to rent a bus for a day. One bus can hold 68 people.

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

    _____

    _____

    _____