Math 10 Day Plans Packet 1

| Day | Work Due |
|---|---|
| 1 | Packet pages 74, 75, 76 |
| 2 | Packet pages 78,79,42,43 |
| 3 | Packet pages 53,58 |
| 4 | Packet pages 62,67 |
| 5 | Packet pages 72,72 |
| 6 | Packet pages 77,83,87 |
| 7 | Coach Book pages 188-194 |
| 8 | Coach Book pages 195-197 |
| 9 | Coach Book pages 198-205 |
| 10 | Coach Book pages 206-208 |

Math 10 Day Plans Packet 2

| Day | Work Due |
|---|---|
| 1 | Packet pages 74, 75, 76 |
| 2 | Packet pages 78,79, 48, 49 |
| 3 | Packet pages 54,55 |
| 4 | Packet pages 59,64 |
| 5 | Packet pages 65, 69 |
| 6 | Packet pages 74,80 |
| 7 | Packet pages 84,85,89 |
| 8 | Coach Book pages 195-197 |
| 9 | Coach Book pages 198-205 |
| 10 | Coach Book pages 206-208 |

Science 10 Day Plans Packet

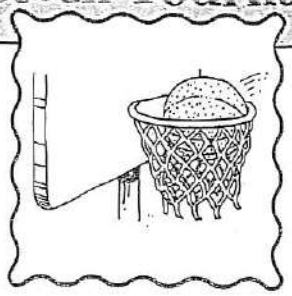
| Day | Work Due |
|---|---|
| 1 | Packet pages 1-3 |
| 2 | Packet pages 4-7 |
| 3 | Packet pages 8-9 |
| 4 | Packet pages 10 |
| 5 | Packet pages 11-12 |
| 6 | Packet pages 13-14 |
| 7 | Packet pages 15 |
| 8 | Packet pages 16 |
| 9 | Packet pages 17 |
| 10 | Packet page 18 |

# Daily Word Problems

**Friday-Week 24**

Name: Group 1

## Basketball Tournament



Five middle schools played in an intramural basketball tournament. Use the clues below to determine how each school placed.

Use the clues to help you fill in the names of the schools and the places. When you know that a school and a place do not go with each other, make an X under the place and across from the school. When you know that a school and place do go together, write YES in that box. You can then X that school and place for all others.

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Clues:

1. Franklin Middle School finished in third place.
2. Brentwood Middle School placed immediately after Franklin Middle School.
3. Central Middle School finished immediately ahead of West Middle School.
4. Heath Middle School placed directly after Brentwood Middle School.
5. Heath's place was the sum of Central's and Brentwood's places.

# Daily Word Problems

## Monday-Week 25


Shelley baked some cookies. She put 12 cookies on each cookie sheet. If she baked 24 cookie sheets of cookies, how many cookies did she bake in all?

Name:

Work Space:

Answer:

_____

# Daily Word Problems

## Tuesday-Week 25


Dave is decorating some cookies. He wants to buy three cans of frosting and two tubes of icing. Each can of frosting costs $0.79 and each tube of icing costs $1.29. How much will these items total?

Name:

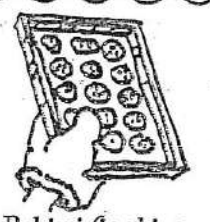
Work Space:

Answer:

_____

# Daily Word Problems

## Wednesday-Week 25



Baking Cookies

Lance made 10 dozen cookies. He made 25% chocolate chip, 25% peanut butter, and the remaining 50% oatmeal raisin. How many of each type of cookie did he make?

Name:

Work Space:

Answer:

_____

_____

_____

# Daily Word Problems

## Thursday-Week 25

Baking Cookies

Andrea baked 250 cookies and wants to put them in bags of a dozen cookies each. How many full bags of cookies can she pack? How many cookies will be left over?

Name:

Work Space:

Answer:

_____

_____

# Daily Word Problems

## Monday-Week 26


Library

Derek's book is one day overdue and he must pay the overdue fine of 25¢. He has only nickels and pennies in his pocket. List three different combinations of nickels and pennies he can use to pay his fine.

Name:

Answer:

# Daily Word Problems

## Tuesday-Week 26


Library

Kirk's books were due on October 14th. He didn't turn in his books until December 5th. How many days overdue were his library books?

Name:

Work Space:

Answer:

# Daily Word Problems

## Wednesday-Week 26


In the Greenwich Public Library, about one-tenth of the books are overdue when they are returned. An average of 580 books are returned to the library each day. About how many books could be expected to be returned on time each day?

Name:

Work Space:

Answer:

_____

# Daily Word Problems

## Thursday-Week 26


In the center of the library is a fountain that holds 500 gallons of water. For every 25 gallons of water, they must add $\frac{1}{4}$ cup of water treatment. How many cups of water treatment must they add to the fountain to treat the 500 gallons of water?

Name:

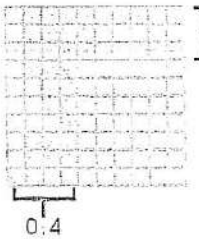
Work Space:

Answer:

_____

Name _____

**Find each product.**

1. 


0.3 ⇐ 1 Decimal place
x 0.4 ⇐ 1 Decimal place
0.□□ ⇐ 2 Decimal places

2. 1.8 ⇐ 1 Decimal place
x 0.7 ⇐ 1 Decimal place
□.□□

3. 0.14 ⇐ __ Decimal places
x 0.6 ⇐ __ Decimal places
⇐ __ Decimal places

Remember to write zeros in the product as needed.

4. 1.26 ⇐ __ Decimal places
x 0.32 ⇐ __ Decimal places
□□□
□□□
⇐ __ Decimal places

5. 4.8 x 1 = _____
4.8 x 10 = _____
4.8 x 100 = _____

6. 2.15 x 1 = _____
2.15 x 10 = _____
2.15 x 100 = _____

**Find each quotient.**

7. $4.8\overline{)120}$ → $48\overline{)120.0}$
4.8 x 10 12 x 10

Think: Multiply the divisor by a power of 10 to make a whole number. Multiply the dividend by the same number.

8. $2.15\overline{)9.03}$ → $215\overline{)903.00}$
x 100 x 100

9. $3\overline{)19.35}$

Remember to place the decimal point in the quotient.

10. 6.8 ÷ 0.32

Think: Multiply 0.32 by 100 and 6. 8 x 100. Then divide.

☆ **Look at your work. Draw a circle around the quotient that has 4 in the thousandths place.**

**Find each product.**

1. $0.6$ ← 1 Decimal place
   $\times\ 0.7$ ← 1 Decimal place
   ← 2 Decimal places

2. $\$4.56 \times 3$

3. $\$1.75 \times 0.13$

4. $0.542 \times 0.4$

5. $0.12 \times 0.6$

6. $1.35 \times 1 =$ _____
   $1.35 \times 10 =$ _____
   $1.35 \times 100 =$ _____

Remember to write zeros in the product as needed.

7. $4.8 \times 0.24$

8. $7.4 \times 0.3$

9. $6.4 \times 1.6$

**Find each quotient.**

10. $3.2\overline{)33.6}$

11. $2.84\overline{)5.68}$

12. $6\overline{)25.92}$

13. $3\overline{)19.35}$

14. $9.8 \div 0.32$

15. $15.4 \div 0.22$

☆ **Look at the Problem 10. Tell how you can check your answer.**

**Multiply. Write the answer in simplest form.**

① $\frac{1}{3}$ of $\frac{1}{2}$

$\frac{1}{3} \times \frac{1}{2} =$ _____

② $\frac{1}{8}$ of $\frac{4}{5}$ = _____

$\frac{1}{8} \times \frac{4}{5}$ (÷4 on 4, ÷4 on 8) = _____

$\frac{1}{2} \times \frac{1}{5} =$ _____

Remember to simplify first, when possible. Divide any numerator and denominator by a common factor.

③ $\frac{1}{3} \times \frac{3}{4} =$ _____

④ $\frac{3}{6} \times \frac{3}{4} =$ _____

⑤ $\frac{5}{8} \times \frac{6}{10} =$ _____

Think: Write the whole number as a fraction.

⑥ $\frac{1}{4}$ of 12

$\frac{1}{4} \times \frac{12}{1} =$ _____

⑦ $\frac{3}{5}$ of 10

$\frac{3}{5} \times \frac{10}{1} =$ _____

⑧ $\frac{5}{6}$ of 9

$\frac{5}{6} \times \frac{9}{1} =$ _____

⑨ $\frac{2}{3}$ of 14

$\frac{2}{3} \times \frac{14}{1} =$ _____

⑩ $\frac{3}{4}$ of 16

$\frac{3}{4} \times \frac{16}{1} =$ _____

⑪ $\frac{1}{8}$ of 24

$\frac{1}{8} \times \frac{24}{1} =$ _____

Think: Write the mixed number as an improper fraction.

⑫ $\frac{3}{8} \times 4\frac{1}{2}$

$\frac{3}{8} \times \frac{9}{2}$

⑬ $\frac{1}{6} \times 4\frac{1}{5}$

$\frac{1}{6} \times \frac{21}{5}$

⑭ $\frac{5}{8} \times 2\frac{2}{3}$

$\frac{5}{8} \times \frac{8}{3}$

⑮ $\frac{4}{9} \times 3\frac{1}{3}$

$\frac{4}{9} \times \frac{10}{3}$

⑯ $\frac{3}{5} \times 7\frac{1}{2}$

$\frac{3}{5} \times \frac{15}{2}$

⑰ $3 \times 5\frac{1}{6}$

$3 \times \frac{31}{6}$

☆ **Tell how you found the product for Problem 5.**

Name _____

**Divide. Write the answer in simplest form.**

**1** How many $\frac{1}{4}$'s are in 3?


count 12 $\frac{1}{4}$'s

$3 \div \frac{1}{4} = 3 \times \frac{4}{1}$

$3 \times \frac{4}{1} =$ _____

so $3 \div \frac{1}{4} =$ _____

Remember $\frac{4}{1}$ is the reciprocal of $\frac{1}{4}$. Multiply by the reciprocal.

**2** How many $\frac{1}{4}$'s are in $\frac{5}{8}$?

$\frac{5}{8} \div \frac{1}{4} = \frac{5}{8} \times$ ____

$\frac{5}{8} \times$ ____ = _____

so $\frac{5}{8} \div \frac{1}{4} =$ _____

Remember, you can simplify fractions *before* you multiply.

**3** $6 \div \frac{3}{5} =$ _____

**4** $3 \div \frac{5}{8} =$ _____

**5** $7 \div \frac{2}{3} =$ _____

**6** $10 \div \frac{7}{9} =$ _____

**7** $\frac{3}{8} \div \frac{2}{6} =$ _____

**8** $\frac{5}{6} \div \frac{1}{9} =$ _____

**9** $\frac{2}{3} \div \frac{1}{9} =$ _____

**10** $\frac{5}{9} \div \frac{1}{10} =$ _____

**11** $\frac{5}{6} \div \frac{3}{4} =$ _____

**12** $\frac{9}{10} \div \frac{1}{8} =$ _____

**13** $12 \div \frac{2}{5} =$ _____

**14** $6 \div \frac{3}{8} =$ _____

**15** $\frac{7}{8} \div \frac{4}{5} =$ _____

**16** $\frac{1}{4} \div 8 =$ _____

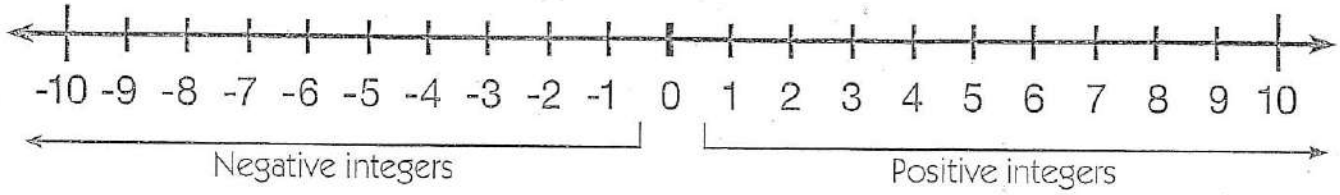
**17** $\frac{6}{5} \div \frac{1}{5} =$ _____

**18** $\frac{3}{5} \div \frac{1}{12} =$ _____

☆ **Tell how you can check your answer for Problem 3.**

Name _____

**Write an integer to describe each situation.**




1. 5 degrees above 0 _____

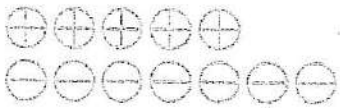
   3 degrees below 0 _____


2. 4 meters below sea level _____

   4 meters above sea level _____

3. A positive charge of 5 _____

   A negative charge of 7 _____



4. A savings of $100 _____

   A debt of $30 _____

**Write the opposite of each integer. Then write the absolute value. Use the number line at the top of the page to help you.**

5. integer: +2

   opposite: _____

   absolute value: |2|

Think: An integer is an equal distance from 0, but on the opposite side of 0.

6. integer: −3

   opposite: _____

   absolute value: _____

Think: Absolute value is a number's distance from 0 on the number line.

7. integer: 8

   opposite: _____

   absolute value: _____

8. integer: −5

   opposite: _____

   absolute value: _____

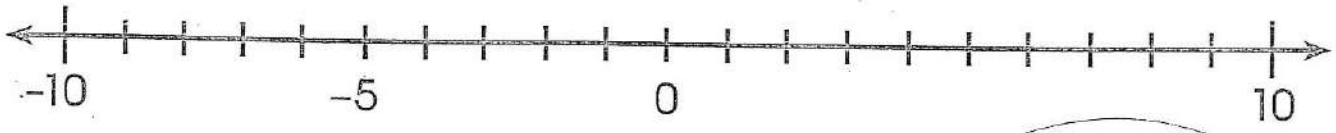
9. integer: 1

   opposite: _____

   absolute value: _____

☆ **Use the number line at the top of the page. Draw a circle around an integer with the absolute value of |7|.**

**Solve. Then place the integer on the number line.**




Remember: An opposite integer is an equal distance from 0, but on the opposite side of 0.

1. An integer whose opposite is -5 _____

2. Two integers whose absolute value is 131 _____

Think: Absolute value is a number's distance from 0 on the number line.

3. An integer whose opposite is 2 _____

4. Two integers whose absolute value is 191 _____

5. An integer greater than -8 and less than -6 _____

Think: Numbers to the right on a number line are greater. What integer is to the right of -8?

**Complete the number line above. Write > or < to make each statement true.**

6. -2 ◯ -3

Think: -2 is to the right of -3 on the number line.

7. -6 ◯ 1

Think: Where is -6 on the number line? Is it to the right or left of 1?

8. 10 ◯ -10

9. -5 ◯ -6

10. 5 ◯ 6

11. -3 ◯ 2

12. 4 ◯ -7

13. 8 ◯ 7

14. -2 ◯ -7

15. -9 ◯ 8

16. 6 ◯ -6

☆ **Use the number line at the top of the page. Place the number $\frac{1}{2}$ on it.**

Name _____

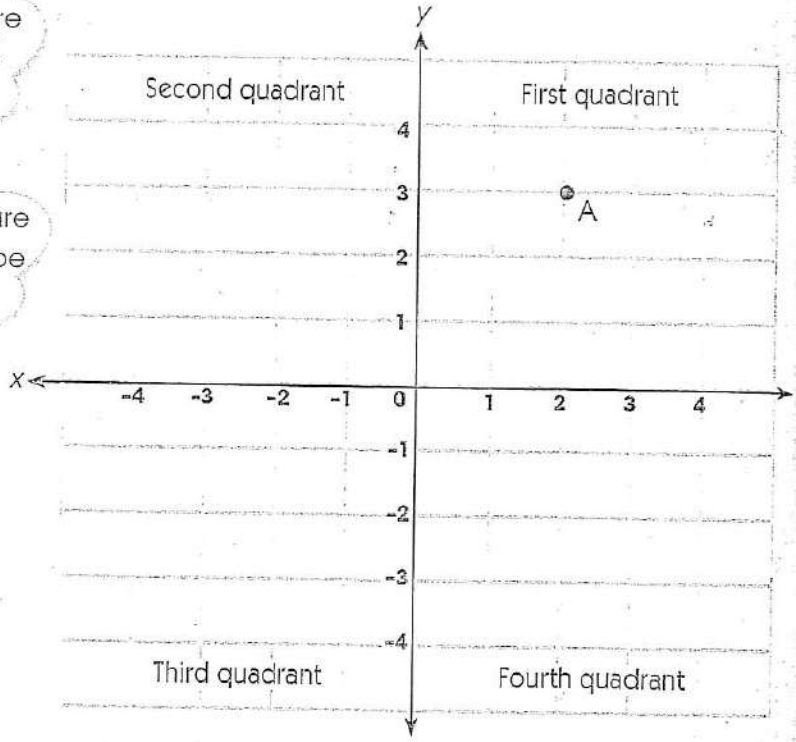
**Plot each point using the given coordinates.**

1. Point A (2, 3)
2. Point B (3, 2)
3. Point C (–2, –3)
4. Point D (–3, –2)
5. Point E (2, –3)
6. Point F (3, –2)
7. Point G (–3, 2)
8. Point H (–2, 3)

Think: Both coordinates are positive, so point A will be in the first quadrant.

Think: both coordinates are negative, so point C will be in the third quadrant.

Think: Move from 0 across to 2 and then down to –3.




**Plot each point using the given coordinates.**

9.

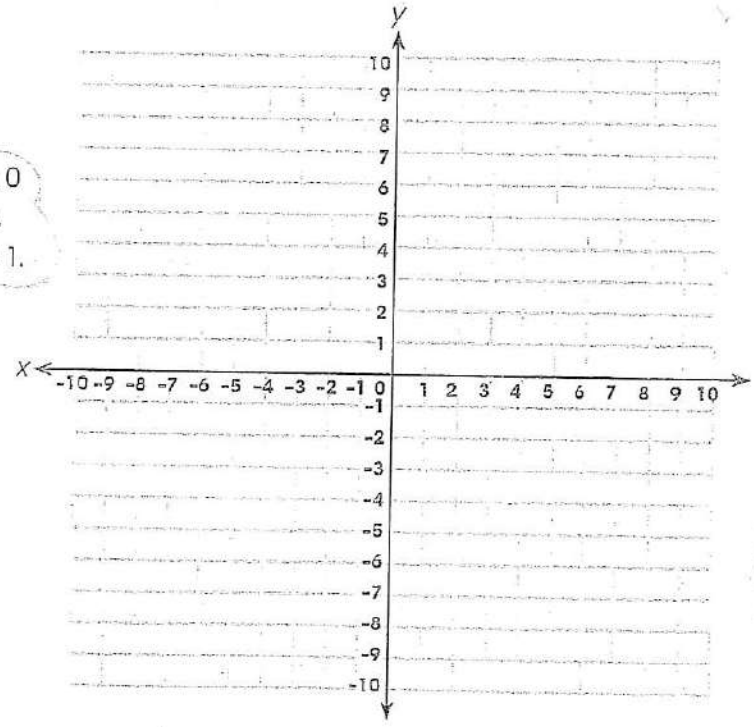
| cups of flour ($x$) | 2 | 4 | 6 | 8 |
|---|---|---|---|---|
| cups of water ($y$) | 1 | 2 | 3 | 4 |

Think: Move from 0 across x-axis to 2. Then move up to 1.

10.

| $x$ | $y$ |
|---|---|
| –6 | 4 |
| –4 | 2 |
| –2 | 0 |
| 0 | –2 |
| 2 | –4 |
| 4 | –6 |

Think: Move from 0 across x-axis to –6. Then move up to 4.



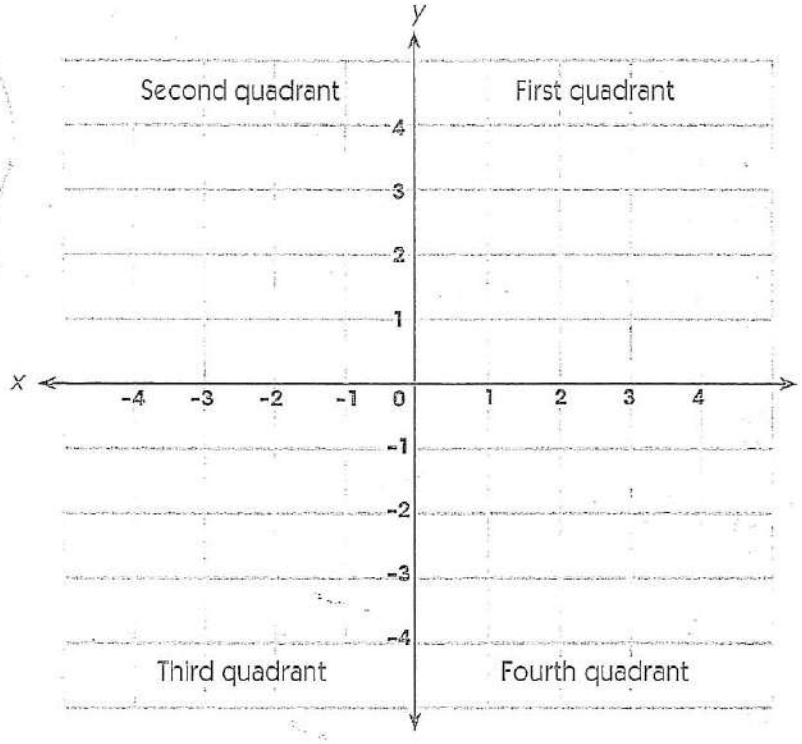

☆ **Look at Problem 9. Extend the line you graphed. How many cups of flour do you need for 5 cups of water?**

**Plot each point using the given coordinate.**

1. Point A (4, 1)
2. Point B (1, 4)
3. Point C (–2, –3)
4. Point D (–3, –2)
5. Point E (–4, 2)
6. Point F (3, –2)
7. Point G (–3, 2)
8. Point H (–2, 3)

Remember: The first coordinate in the pair represents x. Start at origin 0 and move across the x-axis to 4. Then move up to 1 and place the point.

Think: Move from 0 across to 2 and then down to –3.




**Graph the ordered pairs in each table. Then connect the points with a line.**

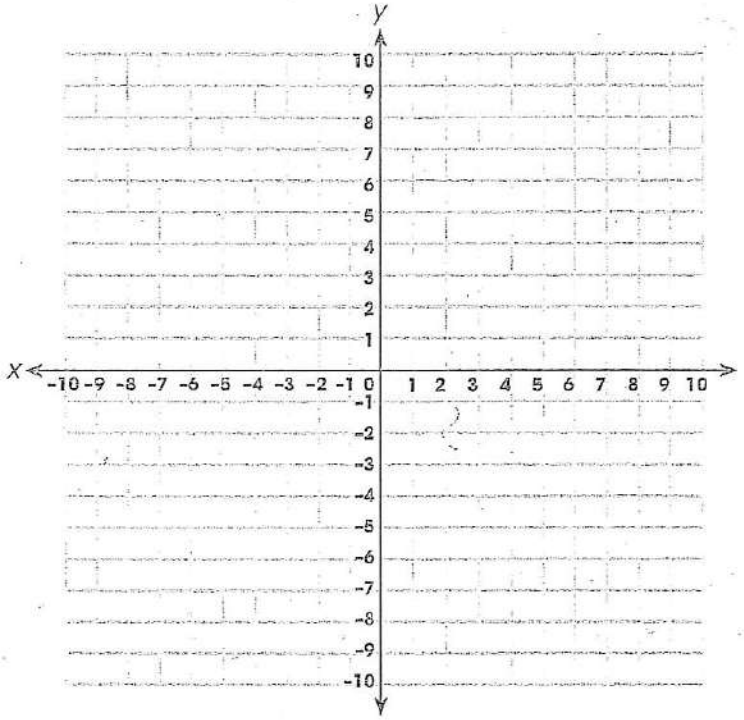
9.

| x | y |
|---|---|
| -4 | 8 |
| -3 | 6 |
| -2 | 4 |
| -1 | 2 |

10.

| x | y |
|---|---|
| 5 | –6 |
| 4 | –5 |
| 3 | –4 |
| 2 | –3 |

Think: The coordinates are (–, +) so the points will be in the second quadrant.




11.

| hours (x) | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| dollars (y) | 2 | 4 | 6 | 8 |

☆ **Tell how you know just by looking at an ordered pair which quadrant on the plane it will fall in.**

**Write each using exponents.**

exponent

$10^3 = 10 \times 10 \times 10$ $\qquad 10^3 = 1{,}000$

base factors

1. $10 \times 10$ _____

Think: Write the number of factors as the exponent.

2. $10 \times 10 \times 10 \times 10$ _____

3. $9 \times 9$ _____

Think: 9 is the base. How many factors?

4. $3 \times 3 \times 3 \times 3$ _____

5. $6 \times 6 \times 6$ _____

6. $12$ _____

Think: The number is in standard form. What are its factors?

**Write each as a number in standard form. Use a calculator.**

7. $9^2$ _____

8. $4^3$ _____

9. $3^5$ _____

11. $12^2$ _____

Think: The base is 9. The exponent shows how many times the base is used as a factor.

11. $10^6$ _____

12. $8 \times 8 \times 8$ _____

13. $20 \times 20$ _____

14. $2 \times 2 \times 2 \times 2$ _____

☆ **Look at the page. Draw a circle around a number that is equal to $8^3$.**

Name _____

**Evaluate each expression. Use the order of operations.**

Remember: **PEMDAS**

1) Parentheses 2) Exponents 3) Multiply and Divide (as it occurs left to right) 4) Add and Subtract (as it occurs left to right)

1. $12 \times (4 + 6) \div 5$

   $12 \times \_\_\_\_ \div 5$

   $\_\_\_\_\_ \div 5$

   _____

2. $32 \div 5 \times 4$

   _____

3. $20 - 6 \times 2$

   _____

4. $(15 - 3) \times 5$

   _____

5. $3^2 \div 5 \times 4$

   _____

6. $2^4 - 7 \times 2$

   _____

7. $10^2 - 4^2 \times 2$

   _____

8. $3^3 \div 8 \times 2^2$

   _____

9. $24 - 6^2 \div 3$

   _____

10. $10^3 \div 2^2 \times 5$

    _____

11. $4^3 \div 9 \times 2^2$

    _____

12. $6^2 - 4^2 \times 2$

    _____

**Use parentheses to make each statement true.**

13. $36 \div 6 - 2 = 9$

14. $6^2 - 3 \times 8 + 2 = 14$

15. $15 - 2 + 5 = 8$

☆ **Look at Problem 3. Tell the steps you take to evaluate the expression.**

**Write an expression for each. Use a variable.**

A variable is a letter or symbol that represents a number.

1. 6 more than $y$

   $y$ + _____

   Think: Add 6 to a number, $y$.

2. The product of 12 and the number $n$

   $n$ x _____

   Think: Multiply 12 and a number $n$ to find the product.

3. The sum of a number $b$ and 24

   $b$ + _____

   Think: Add 24 and $b$ to find the sum.

4. 18 less than $x$

   $x$ - _____

   Think: Subtract 18 from a number $x$.

5. A number $n$ decreased by 5

   _____

   Think: What operation decreases or makes less?

6. An amount $a$ divided by 3

   _____

   Think: what operation is stated?

**Evaluate each expression using the value given for the variable.**

7. $12 + n$, for $n = 4$

   _____

   Think: Substitute the value 4 for $n$.
   $12 + 4 =$ ____

8. $3(y + 6)$, for $y = 2$

   _____

   Remember to follow the order of operations. Work inside parentheses first.

9. $8^2 - b + 3$, for $b = 25$

   ____ $- 25 + 3$

   _____

   Remember to follow the order of operations.

10. $5y + 6$, for $y = 3$

    _____

    Remember: $5y$ means 5 x the number $y$.

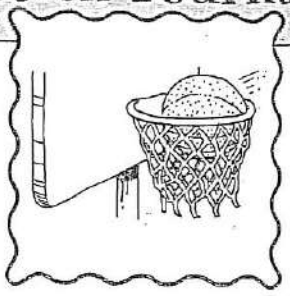
☆ **Look at Problem 5. Tell what the value of the expression is, if the variable $n$ has a value of 20.**

# Daily Word Problems

**Friday-Week 24**

Name: #2

## Basketball Tournament



Five middle schools played in an intramural basketball tournament. Use the clues below to determine how each school placed.

Use the clues to help you fill in the names of the schools and the places. When you know that a school and a place do not go with each other, make an X under the place and across from the school. When you know that a school and place do go together, write YES in that box. You can then X that school and place for all others.

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Clues:

1. Franklin Middle School finished in third place.
2. Brentwood Middle School placed immediately after Franklin Middle School.
3. Central Middle School finished immediately ahead of West Middle School.
4. Heath Middle School placed directly after Brentwood Middle School.
5. Heath's place was the sum of Central's and Brentwood's places.

# Daily Word Problems

## Monday-Week 25


Shelley baked some cookies. She put 12 cookies on each cookie sheet. If she baked 24 cookie sheets of cookies, how many cookies did she bake in all?

Name:

Work Space:

Answer:

_____

# Daily Word Problems

## Tuesday-Week 25


Dave is decorating some cookies. He wants to buy three cans of frosting and two tubes of icing. Each can of frosting costs $0.79 and each tube of icing costs $1.29. How much will these items total?

Name:

Work Space:

Answer:

_____

# Daily Word Problems

## Wednesday-Week 25


Lance made 10 dozen cookies. He made 25% chocolate chip, 25% peanut butter, and the remaining 50% oatmeal raisin. How many of each type of cookie did he make?

Name:

Work Space:

Answer:

# Daily Word Problems

## Thursday-Week 25


Andrea baked 250 cookies and wants to put them in bags of a dozen cookies each. How many full bags of cookies can she pack? How many cookies will be left over?

Name:

Work Space:

Answer:

# Daily Word Problems

## Monday-Week 26


Library

Derek's book is one day overdue and he must pay the overdue fine of 25¢. He has only nickels and pennies in his pocket. List three different combinations of nickels and pennies he can use to pay his fine.

Name:

Answer:

# Daily Word Problems

## Tuesday-Week 26


Library

Kirk's books were due on October 14th. He didn't turn in his books until December 5th. How many days overdue were his library books?

Name:

Work Space:

Answer:

# Daily Word Problems

## Wednesday-Week 26


Library

In the Greenwich Public Library, about one-tenth of the books are overdue when they are returned. An average of 580 books are returned to the library each day. About how many books could be expected to be returned on time each day?

Name:

Work Space:

Answer:

_____

# Daily Word Problems

## Thursday-Week 26


Library

In the center of the library is a fountain that holds 500 gallons of water. For every 25 gallons of water, they must add $\frac{1}{4}$ cup of water treatment. How many cups of water treatment must they add to the fountain to treat the 500 gallons of water?

Name:

Work Space:

Answer:

_____

 Name _____

**List all the factors for each number. Circle the common factors.**

1. Factors of 8: _____
   Factors of 12: _____
   Greatest common factor (GCF) of 8 and 12: _____

Remember a factor of a number divides that number evenly.

2. Factors of 9: _____
   Factors of 15: _____
   GCF of 9 and 15: _____

3. Factors of 4: _____
   Factors of 6: _____
   GCF of 4 and 6: _____

4. Factors of 6: _____
   Factors of 10: _____
   Factors of 28: _____
   GCF of 6, 10, and 28: _____

5. Factors of 12: _____
   Factors of 15: _____
   Factors of 18: _____
   GCF of 12, 15, and 18: _____

**Write the first 5 multiples of each number, other than 0. Circle the common multiples.**

6. Multiples of 4: _____
   Multiples of 5: _____
   Least common multiple (LCM) of 4 and 5: _____

Think:
4 x 1, 4 x 2, 4 x 3,
4 x 4, and 4 x 5

7. Multiples of 3: _____
   Multiples of 10: _____
   LCM of 3 and 10: _____

8. Multiples of 9: _____
   Multiples of 15: _____
   LCM of 9 and 15: _____

9. Multiples of 6: _____
   Multiples of 9: _____
   LCM of 6 and 9: _____

10. Multiples of 8: _____
    Multiples of 12: _____
    LCM of 8 and 12: _____

☆ **Tell how you can find the LCM of 4, 7, and 14.**

**Find the greatest common factor (GCF) of each set of numbers.**

1. 10 and 25 — GCF_____
2. 12 and 8 — GCF_____
3. 6 and 15 — GCF_____
4. 24 and 60 — GCF_____
5. 16 and 6 — GCF_____
6. 12 and 21 — GCF_____
7. 10 and 30 — GCF_____
8. 16, 18, and 30 — GCF_____
9. 20, 36, and 48 — GCF_____

**Find the least common multiple (LCM) other than 0 of each set of numbers.**

10. 7 and 9 — LCM: _____
11. 4 and 10 — LCM: _____
12. 3 and 5 — LCM: _____
13. 4 and 6 — LCM: _____
14. 9 and 6 — LCM: _____
15. 8 and 12 — LCM: _____
16. 8 and 3 — LCM: _____
17. 3 and 23 — LCM: _____
18. 14 and 6 — LCM: _____

☆ **Why do we not use 0 as the LCM of two numbers? Explain your thinking.**

_____

_____

Name _____

Multiply. Write the answer in simplest form.

1. $\frac{2}{3} \times \frac{3}{5}$ _____
2. $\frac{2}{7} \times \frac{1}{4}$ _____
3. $\frac{3}{8} \times \frac{1}{3}$ _____
4. $\frac{4}{5} \times \frac{3}{4}$ _____
5. $\frac{3}{8} \times 4$ _____
6. $\frac{2}{3} \times 6$ _____
7. $\frac{1}{5} \times 7$ _____
8. $\frac{3}{4} \times 2$ _____
9. $1\frac{1}{4} \times 2$ _____
10. $3\frac{1}{6} \times 4$ _____
11. $1\frac{2}{3} \times 6$ _____
12. $4\frac{3}{4} \times 5$ _____
13. $\frac{2}{3} \times \frac{7}{8}$ _____
14. $\frac{3}{9} \times 12$ _____
15. $6\frac{1}{4} \times 2$ _____
16. $\frac{5}{8} \times 6$ _____
17. $\frac{2}{7} \times \frac{4}{8}$ _____
18. $\frac{3}{10} \times 5$ _____
19. $6\frac{1}{3} \times 10$ _____
20. $\frac{6}{8} \times 7$ _____

☆ Write how you solved Problem 9. Draw a picture to prove your answer is correct.

_____

_____

**Solve.**

1. Andy carried $\frac{1}{2}$ gallon of water on a hike. He drank $\frac{2}{3}$ of the water. How much water did he drink?

2. Felice bought $\frac{3}{4}$ of a pound of American cheese at the deli. She used $\frac{1}{2}$ of the cheese to make sandwiches. How much cheese did she use?

3. Jesse has 5 and $\frac{3}{4}$ dozen eggs. How many eggs does Jesse have?

4. Pierre is running 26 and $\frac{2}{10}$ miles in the marathon. He has run $\frac{3}{4}$ of the way. How far has he run?

5. Slater's room is 5 meters long and $3\frac{1}{4}$ meters wide. What is the area of Slater's room?

6. Gloria has $2\frac{5}{8}$ ounces of perfume. If she uses one third of it, how much will she have left?

**Circle the letter for the correct answer.**

7. Olivia has $1\frac{1}{5}$ yards of fabric. She uses $\frac{5}{8}$ of the fabric to make a shirt. How much fabric did she use?

   a) $\frac{1}{8}$ yard

   b) $\frac{2}{4}$ yard

   c) $\frac{3}{4}$ yard

   d) $\frac{1}{5}$ yard

8. We have $4\frac{3}{4}$ pounds of apples in each bag. If we have 4 bags, how many pounds of apples do we have in all?

   a) $\frac{1}{4}$ pound

   b) $1\frac{1}{4}$ pounds

   c) $18\frac{3}{4}$ pounds

   d) 19 pounds

**Divide. Write the answer in simplest form.**

1. $4 \div \frac{3}{5} =$ ____
2. $6 \div \frac{2}{3} =$ ____
3. $10 \div \frac{4}{5} =$ ____
4. $3 \div \frac{7}{8} =$ ____
5. $2 \div \frac{5}{6} =$ ____
6. $9 \div \frac{1}{8} =$ ____
7. $5 \div \frac{2}{3} =$ ____
8. $14 \div \frac{7}{8} =$ ____
9. $\frac{1}{5} \div \frac{1}{4} =$ ____
10. $\frac{1}{3} \div \frac{3}{8} =$ ____
11. $\frac{9}{10} \div \frac{2}{5} =$ ____
12. $\frac{3}{4} \div \frac{1}{6} =$ ____
13. $\frac{3}{5} \div \frac{2}{3} =$ ____
14. $\frac{4}{7} \div \frac{1}{6} =$ ____
15. $\frac{1}{10} \div \frac{1}{8} =$ ____
16. $\frac{5}{12} \div \frac{5}{6} =$ ____
17. $2\frac{1}{4} \div \frac{1}{4} =$ ____
18. $3\frac{2}{5} \div \frac{7}{10} =$ ____
19. $1\frac{2}{3} \div \frac{5}{6} =$ ____
20. $4\frac{2}{3} \div \frac{2}{3} =$ ____
21. $5\frac{1}{5} \div \frac{8}{9} =$ ____
22. $2\frac{3}{8} \div \frac{3}{4} =$ ____
23. $6\frac{1}{2} \div \frac{3}{4} =$ ____
24. $2\frac{6}{7} \div \frac{3}{10} =$ ____

☆ **Write the steps you take to divide a fraction by a fraction. Use an example from one of the problems above.**

Name _____

**Write an integer to describe each situation.**

1. A deposit of fifty dollars. ____

2. A withdrawal of twenty dollars ____

3. A decrease in profits of $300 ____

4. Sixteen degrees below zero ____

5. 1,200 meters above sea level ____

   56 meters below sea level ____

6. A increase in profits of $500 ____

   A positive charge of 6 ____

**Complete.**

7. integer: ____
   opposite: +9
   absolute value: ____

8. integer: +8
   opposite: ____
   absolute value: ____

9. integer: -94
   opposite: ____
   absolute value: ____

10. integer: ____
    opposite: -2
    absolute value: ____

11. integer: -15
    opposite: ____
    absolute value: ____

12. integer: +72
    opposite: ____
    absolute value: ____

13. integer: ____
    opposite: +200
    absolute value: ____

14. integer: +60
    opposite: ____
    absolute value: ____

15. integer: +19
    opposite: ____
    absolute value: ____

☆ **What are negative integers? Explain.**

**Solve.**

1. What integer would represent "ten degrees below zero"?

2. What integer would represent "twenty-two hundred feet above sea level"?

3. What is the opposite of 8?

4. What is the opposite of -45?

5. What is the absolute value of -12?

6. What is the absolute value of -674?

**Circle the letter for the correct answer.**

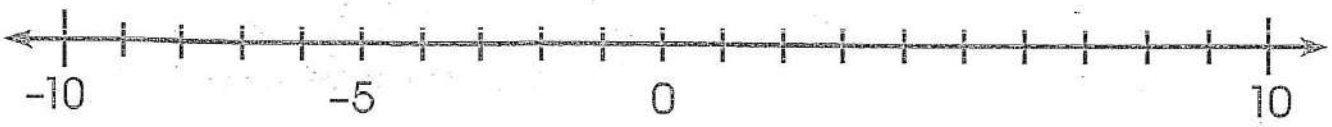
7. Which of the following is not an integer?

   a) 5
   b) 0
   c) 0.2
   d) -2

8. Which integer has an opposite of 9?

   a) 0.9
   b) 90
   c) -9
   d) 1/9

**Solve. Then write the integer on the number line.**




1. An integer whose opposite is 7 _____
2. Two integers whose absolute value is 84 _____
3. An integer whose opposite is 16 _____
4. Two integers whose absolute value is 252 _____
5. An integer whose opposite is -58 _____
6. An integer greater than -10 and less than -8 _____
7. Two integers whose absolute value is 14 _____
8. An integer greater than 7 and less than 9 _____

**Complete the number line above. Write > or < to make each statement true.**

9. -12 ◯ -5
10. -4 ◯ -5
11. -18 ◯ 17
12. -6 ◯ -21
13. -7 ◯ -4
14. -18 ◯ -7
15. -3 ◯ 3
16. -19 ◯ -2
17. 23 ◯ -8
18. -13 ◯ -15
19. -41 ◯ -51
20. -17 ◯ -71
21. -10 ◯ -25
22. -23 ◯ -9
23. -6 ◯ 5
24. -3 ◯ -19

☆ **Write how you solved the ninth problem. Draw a picture to prove your answer is correct.**

_____

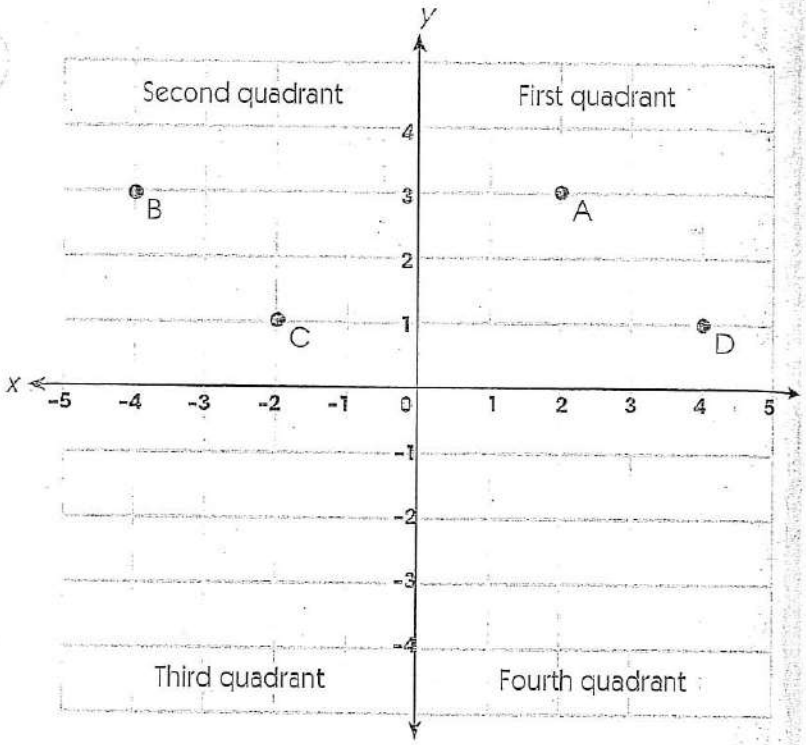
_____

Name _____

**Write the coordinate or plot each point.**

1. Point A (__, __)
2. Point B (__, __)
3. Point C (__, __)
4. Point D (__, __)
5. Point E (–5, –2)
6. Point F (–2, –1)
7. Point G (4, –2)
8. Point H (–2, –3)

Remember, x is the first number, y is the second number.



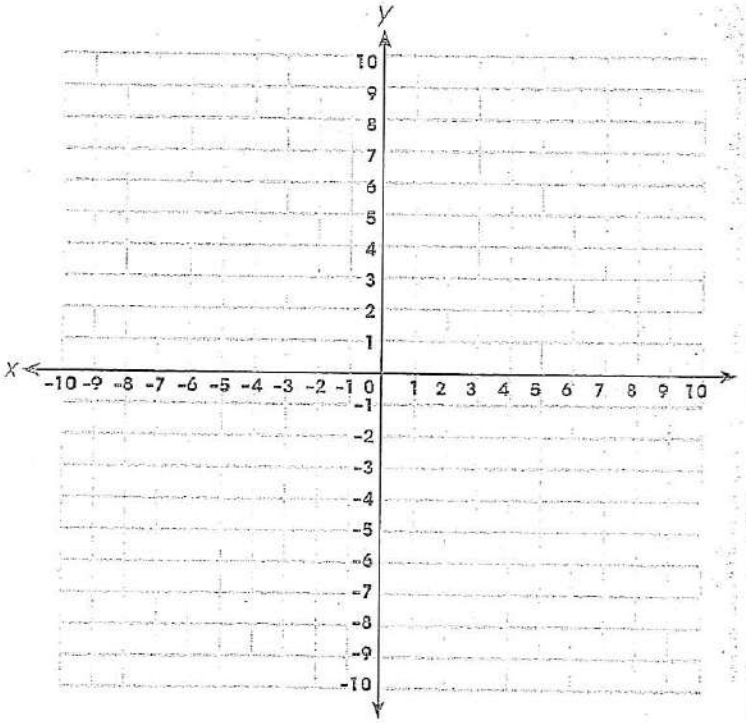

**Graph the ordered pairs in each table. Then connect the points with a line.**

9.

| x | y |
|---|---|
| –2 | –4 |
| –4 | –6 |
| –6 | –8 |
| –8 | –10 |

10.

| x | y |
|---|---|
| –9 | 9 |
| –8 | 8 |
| –7 | 7 |
| –6 | 6 |




11.

| hours (x) | 3 | 4 | 5 | 6 |
|---|---|---|---|---|
| dollars (y) | 5 | 6 | 7 | 8 |

☆ **Explain why the order of the numbers in an ordered pair is important. Give an example.**

Name _____

**Solve. Use a calculator if you wish.**

1. What is the value of $5^2 - 5^1$?

2. What is the value of $2^4 - 2^2$?

3. What is the value of $10^5 - 10^3$?

4. What is the value of $10^3 - 5^3$?

5. What is the value of $8^4 - 4^3$?

6. What is the value of $7^4 - 6^4$?

**Circle the letter for the correct answer.**

7. Which is the number one million in exponent form?

   a) $10^1$
   b) $10^3$
   c) $10^6$
   d) $1^{10}$

8. Which is the standard form for $5^4$?

   a) 5
   b) 9
   c) 20
   d) 625

Name _____

**Evaluate each expression.**

1. $36 - 6 \times 2$ _____
2. $(4^2 + 5) \times 4$ _____
3. $(48 - 6) \div 3$ _____
4. $3^4 - 17 \times 3$ _____
5. $3^2 + 5 \times 4$ _____
6. $21 - 2^4 \div 4$ _____
7. $(24 \div 6) \times 3^3$ _____
8. $10^3 \div (5 \times 4)$ _____
9. $(20 \times 60) - 10^2$ _____
10. $36 - 6 \div 2$ _____
11. $3^2 + 18 \times 2^2$ _____
12. $6^3 - 6 \times 3$ _____
13. $125 - 5^2 \times 2$ _____
14. $7^2 \times 5 - 4$ _____
15. $(82 - 9^2) \times 2$ _____

**Use parentheses to make each statement true.**

16. $47 = 7^2 - 17 + 15$
17. $4 \times 19 - 17 = 2^3$
18. $5^3 - 9^2 - 3^2 = 35$

☆ **Why is following the order of operations important? Explain. Use Problem 1 as an example.**

**Solve.**

1. What is the value of the expression $30 \div 5 + 6 \times 4$?

2. What is the value of the expression $135 \times 2 - 8^2$?

3. What is the value of the expression $72 \div (3^2 - 3) + 2^2$?

4. What is the value of the expression $(3 \times 2^3) \div (4 \times 6)$?

5. Use parentheses to make the following expression true.

   $36 \div 6 + 2 \times 13 = 2^5$

6. Evaluate the following expression. Tell if it is true or false.

   $48 \div 2^2 + 12 = 5^2 - 1$

**Circle the letter for the correct answer.**

7. Which expression has a value of 4?

   **a)** $(21 - 3) \times (7 + 4)$
   **b)** $21 - 3 \times 7 + 4$
   **c)** $(14 \div 2) \times 3 \div 4$
   **d)** $3 \times 7 - 14 + 4$

8. Which expression has a value of 3?

   **a)** $(6^2 - 3) \div (9^2 - 70)$
   **b)** $24 - 23 \times 3$
   **c)** $3^3 - 3^2$
   **d)** $3 \times (4^2 - 3^2)$

**Write an expression for each.**

1. The number $y$ divided by 100

   y _____

2. 6 times as much as $x$

   _____

3. Twenty less than $y$

   _____

4. $\frac{100}{x}$

   _____

5. The sum of a number $c$ and five squared

   _____

6. 56 less than $x$ cubed

   _____

7. A number $n$ decreased by 12

   _____

8. An amount $a$ divided by 5

   _____

**Evaluate each expression. Let $a = 6$, $b = 8$, and $c = 10$.**

9. $c^2 - 20$

   _____

10. $3c - 3^3$

    _____

11. $b^2 \div 2$

    _____

12. $a^2 + 20 - 2^3$

    _____

13. $2c - 2b$

    _____

14. $a^2 + c$

    _____

15. $(b + c^2) \div 9$

    _____

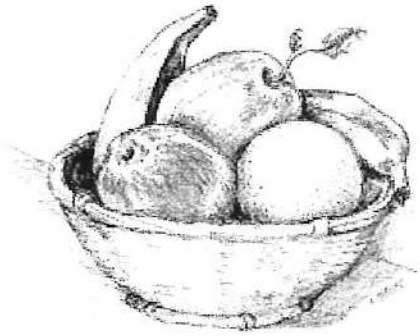
16. $(c - b)^4$

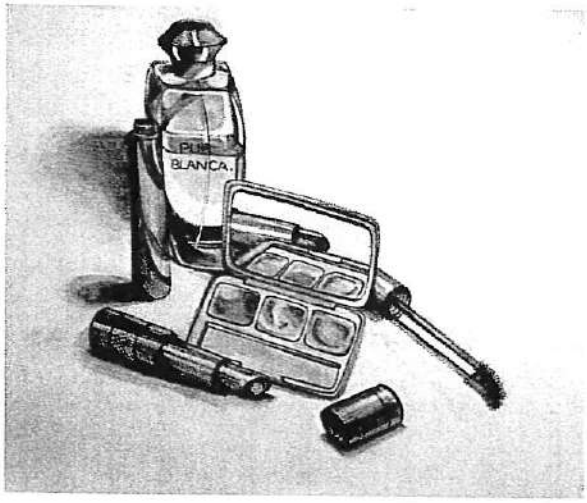
    _____

17. $c^3 + 5c$

    _____

☆ **Explain how to evaluate the expression in Problem 17.**







**Art with Mrs. Benard**

**ASSIGNMENT FOR GRADE 6**

Draw me a "Still Life." This means you will lay out 5 or more items on a table and draw what you see. You will show where they overlap and all the designs on each of the items. Start with a light sketch and then do your best to add in your details. Try to use a regular pencil so that you can shade it in. Remember a good drawing should have a "Wow Factor."

Take your time and invest in something detailed! Color can be added with colored pencil, color sticks or even crayons avoid marker it tends to simplify your work and markers usually can't shade or mix well....

*Completed projects will be due upon return to school.

*Be sure your name is on.

*Fill the page.

*Look at what you are drawing.

*Bring your project to art class at your regular scheduled art time.

*Incomplete projects that are not turned in may result in an "I" for incomplete on your report card. Family members can draw with you on another paper and assist you but this should be your drawing.

Thank you, Mrs. Benard

# ***Physical Education***

***Lesson Plans for Fifth & Sixth Grades***

## Warm-up Activities

Pick one of these activities to do *each day* for at least 20 *consecutive* minutes:

Walk or jog outside

Jump rope

Ride your bike

Dance to your favorite music

Climb up & down your stairs

## Stretch

Do the following stretches *immediately* after your daily warm-up activity:

Twist and touch

Squats

Jump lunges

Shooting stars

Mountain climbers

Mule kicks

burpees

## Fundamental Activities

Pick one of these activities to practice for at least 20 minutes *each day*:

**Balancing**

- Yoga poses that will help your balance: tree, bridge, warrior, dancer, flamingo,
- Challenge yourself by timing how long you can balance yourself

**Fitness Stations**

- Set up a series of stations (4 or 5) you can go through for 5 minutes each

Examples:

Push-ups, crunches, squats, shoulder raises, planks, lunges, shoulder press or any others you may want to challenge yourself with

**Sports Skills** (get outside for most of these activities)

- Pass & catch with a partner

  Any sport you like where there is passing – football, basketball, volleyball, hockey, baseball/softball, frisbee, lacrosse

- Hit with a partner

  Any sport you like where you hit a ball – baseball/softball, tennis, badminton, ping pong

- Shoot to score on your own

  Any sport you like where you can score a goal – basketball, soccer, hockey, lacrosse

Make up your own sport or game using the available equipment

- Make the rules for the game
- Practice the skills of the game
- Play the game