

VALENTINE'S

math pack



CONTENTS

- 3 Student pocket cover page
- 4 Addition with carrying
- 5 Subtraction with regrouping
- 6 Basic multiplication facts
- 7 Basic division facts
- 8 Multi-digit multiplication
- 9 Beginning algebra (determining the missing number)
- 10 Checking multi-digit subtraction using addition
- 11 Multiplication equation search
- 12 Color by multiplication fact
- 13 Color by division fact
- 14 Creating a bar graph
- 15 Analyzing the bar graph
- 16 Analyzing a pictograph
- 17-18 What's the rule?
- 19 Finding perimeter
- 20 Finding area
- 21-22 Prime and composite numbers
- 23-40 Answer Keys
- 41 Credits and Terms of Use

NAME: _____

VALENTINE'S MATH PACK



Name: _____

HAPPY VALENTINE'S DAY!

Directions: Complete each problem. Solve the riddle by matching the letters next to the answers to the blanks at the bottom of the page.

What did the snake say to his true love?

I $\begin{array}{r} 225 \\ +204 \\ \hline \end{array}$

C $\begin{array}{r} 199 \\ +178 \\ \hline \end{array}$

J $\begin{array}{r} 603 \\ +356 \\ \hline \end{array}$

? $\begin{array}{r} 146 \\ +237 \\ \hline \end{array}$

D $\begin{array}{r} 555 \\ +289 \\ \hline \end{array}$

A $\begin{array}{r} 148 \\ + 88 \\ \hline \end{array}$

N $\begin{array}{r} 721 \\ +213 \\ \hline \end{array}$

H $\begin{array}{r} 99 \\ +66 \\ \hline \end{array}$

E $\begin{array}{r} 717 \\ +169 \\ \hline \end{array}$

G $\begin{array}{r} 94 \\ +57 \\ \hline \end{array}$

S $\begin{array}{r} 777 \\ +193 \\ \hline \end{array}$

V $\begin{array}{r} 336 \\ +534 \\ \hline \end{array}$

377

236

934

429

165

236

870

886

236

165

959

151

236

934

844

236

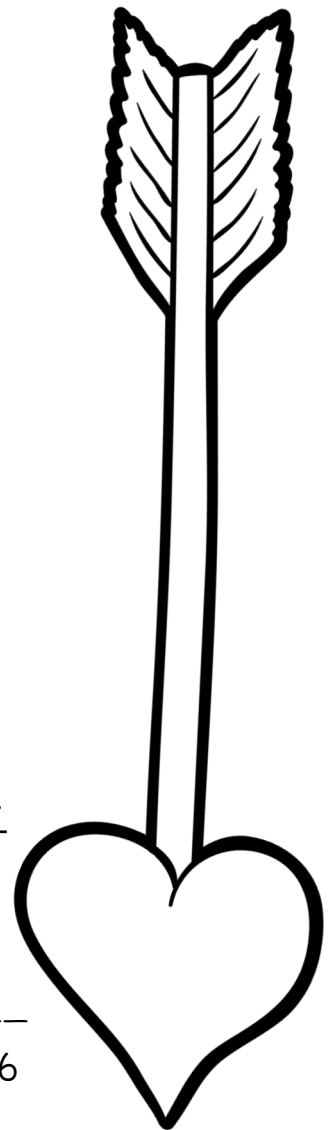
165

429

970

970

383





Name: _____

WILL YOU "BEE" MY VALENTINE?

Directions: Complete each problem. Solve the riddle by matching the letters next to the answers to the blanks at the bottom of the page.

Do skunks celebrate Valentine's Day?

$$\begin{array}{r} S \quad 225 \\ - \quad 104 \\ \hline \end{array}$$

$$\begin{array}{r} Y \quad 219 \\ - \quad 178 \\ \hline \end{array}$$

$$\begin{array}{r} N \quad 603 \\ - \quad 356 \\ \hline \end{array}$$

$$\begin{array}{r} R \quad 546 \\ - \quad 237 \\ \hline \end{array}$$

$$\begin{array}{r} A \quad 515 \\ - \quad 289 \\ \hline \end{array}$$

$$\begin{array}{r} V \quad 148 \\ - \quad 98 \\ \hline \end{array}$$

$$\begin{array}{r} I \quad 781 \\ - \quad 213 \\ \hline \end{array}$$

$$\begin{array}{r} U \quad 349 \\ - \quad 166 \\ \hline \end{array}$$

$$\begin{array}{r} M \quad 700 \\ - \quad 169 \\ \hline \end{array}$$

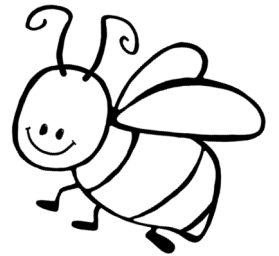
$$\begin{array}{r} L \quad 94 \\ - \quad 37 \\ \hline \end{array}$$

$$\begin{array}{r} H \quad 733 \\ - \quad 377 \\ \hline \end{array}$$

$$\begin{array}{r} C \quad 1090 \\ - \quad 693 \\ \hline \end{array}$$

$$\begin{array}{r} T \quad 404 \\ - \quad 293 \\ \hline \end{array}$$

$$\begin{array}{r} E \quad 336 \\ - \quad 134 \\ \hline \end{array}$$



| 21 | 183 | 309 | 202 | III | 356 | 202 | 41 | 309 | 202 | 50 | 202 | 309 | 41

| 121 | 397 | 202 | 247 | III | 568 | 531 | 202 | 247 | III | 226 | 57

Name: _____

MULTIPLYING BY HEART

Directions: Complete each problem. Solve the riddle by matching the letters next to the answers to the blanks at the bottom of the page.

Why is Valentine's Day the best day for a celebration?

Row 1: B (8x8=), U (6x6=), R (7x3=), C (4x7=), P (5x2=)

Row 2: S (4x4=), E (3x8=), O (2x7=), H (0x9=), Y (12x4=)

Row 3: A (11x6=), T (10x10=), S (7x8=), N (9x2=), L (6x7=)

64 24 28 66 36 56 24 48 14 36 28 66 18

27 24 66 42 42 48 10 66 27 100 48 0 24 66 27 100 48



Name: _____

SHARE THE LOVE



Directions: Complete each problem. Solve the riddle by matching the letters next to the answers to the blanks at the bottom of the page.

What did one bat say to his friend?

$24 \div 4 =$ D

$27 \div 9 =$ Y

$40 \div 2 =$ E

$42 \div 6 =$ U

$18 \div 9 =$ I

$100 \div 10 =$ R

$72 \div 9 =$ O

$44 \div 4 =$ A

$30 \div 6 =$ W

$1 \div 1 =$ F

$0 \div 8 =$ H

$36 \div 9 =$!

$45 \div 3 =$ G

$60 \div 5 =$ I

$63 \div 7 =$ N


3 8 7 10 20 1 7 9 12 3 0 11 9 15

11 10 8 7 9 6 5 2 12 0 4

Name: _____

CHECK YOUR WORK, VALENTINE!


Directions: Solve each subtraction problem. Then, check each answer using addition.

$$\begin{array}{r} 601 \\ - 495 \\ \hline \end{array}$$
$$+ \underline{\hspace{2cm}}$$


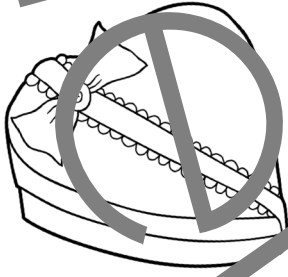
Is your answer 101?

$$\begin{array}{r} 479 \\ - 57 \\ \hline \end{array}$$
$$+ \underline{\hspace{2cm}}$$


Is your answer 479?

$$\begin{array}{r} 286 \\ - 217 \\ \hline \end{array}$$
$$+ \underline{\hspace{2cm}}$$


$$\begin{array}{r} 552 \\ - 444 \\ \hline \end{array}$$
$$+ \underline{\hspace{2cm}}$$

$$\begin{array}{r} 804 \\ - 422 \\ \hline \end{array}$$
$$+ \underline{\hspace{2cm}}$$


$$\begin{array}{r} 500 \\ - 250 \\ \hline \end{array}$$
$$+ \underline{\hspace{2cm}}$$

$$\begin{array}{r} 948 \\ - 239 \\ \hline \end{array}$$
$$+ \underline{\hspace{2cm}}$$


$$\begin{array}{r} 1,888 \\ - 898 \\ \hline \end{array}$$
$$+ \underline{\hspace{2cm}}$$

Name: _____



VALENTINE SEARCH



Directions: There are 28 days in February (except for Leap Years!) Find 28 hidden multiplication facts in the puzzle below. The first one is done for you. Facts may be horizontal, vertical or diagonal.

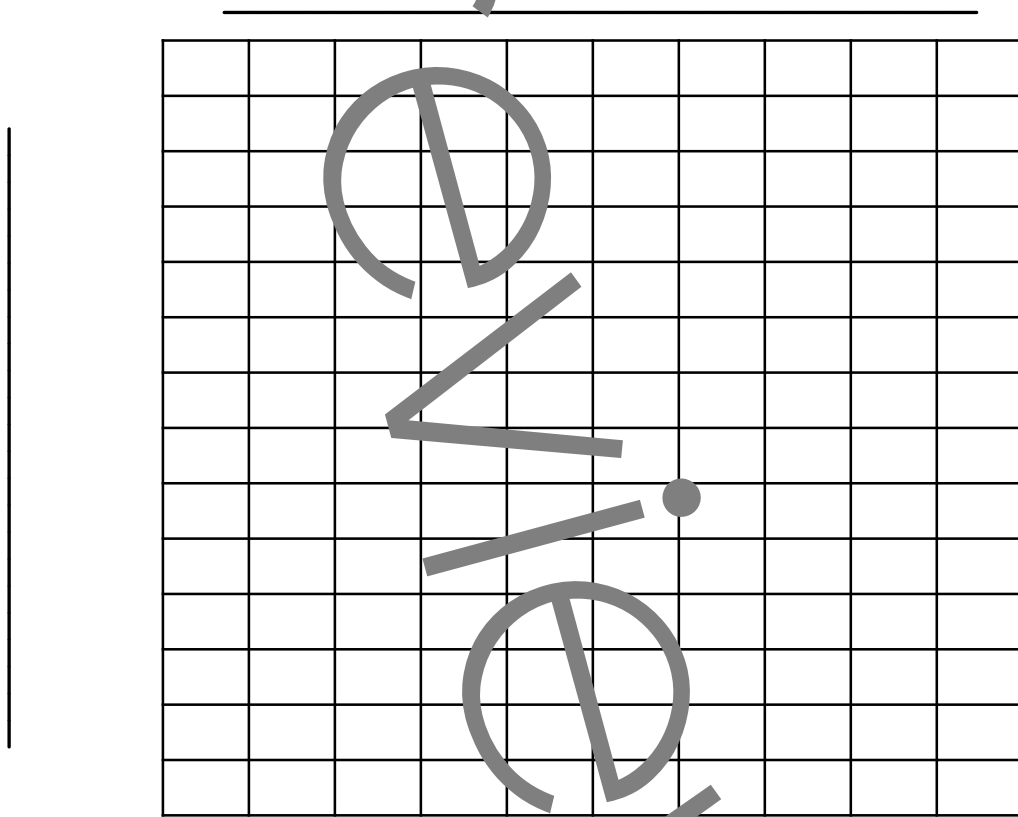
5 x 5 = 25	6	4	4	16	0	2	3		
3	11	22	4	8	8	10	6	2	6
15	23	5	7	5	2	9	9	4	18
3	7	8	3	8	24	5	13	17	11
0	3	40	21	4	10	45	14	11	9
1	7	9	5	0	9	11	9	3	27
2	7	14	4	15	2	5	9	4	7
4	5	2	5	6	18	14	81	12	3
8	35	1	20	6	7	11	8	2	16
9	0	2	1	36	0	42	9	5	6
7	8	56	10	5	50	7	4	28	5
10	3	30	3	3	4	8	32	1	30



Name: _____

VALENTINE TREATS

Directions: Create a bar graph to show how many Valentine treats were brought to the Valentine's Day Party. *Be sure to include:* 1) a title 2) numbers along the y-axis 3) types of treats along the x-axis and 4) labels for the x-axis and y-axis.



Create a bar graph using the following information:

TREATS

Candy Hearts ||| ||| ||| |||

Cupcakes ||| |||

Lollipops |||

Brownies ||| ||| ||| |||

Caramel Apples ||| |||

Cookies ||| ||| |||



Name: _____

VALENTINE TREATS

Directions: Use the bar graph you've created to answer the questions.

1. How many cupcakes are at the Valentine's Day Party? _____
2. How many cookies are at the Valentine's Day Party? _____
3. How many more candy hearts are there than caramel apples? _____
4. What number equals one dozen? _____
5. Circle the correct choice to complete the following sentence:

At the party, there are (*one dozen – more than one dozen – two dozen – more than two dozen*) brownies.

6. How did you organize the numbers on the y-axis? Explain what number you counted by and why you made this choice.

7. Of what treat are there 10 pieces? _____

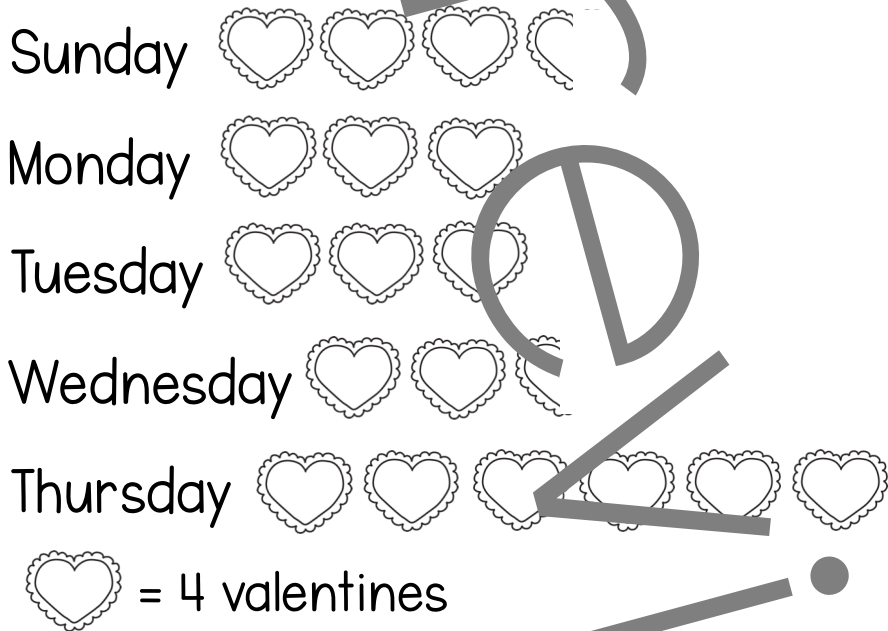
8. What three kinds of treats can be shared *equally* between 4 people?

Name: _____

SAM'S VALENTINE CHALLENGE

Directions: Use the pictograph to answer questions about Sam's valentines.

Valentines Created



1. How many valentines did Sam make on Sunday? _____ Monday? _____
2. On what day did Sam make the least valentines? _____
3. How many more valentines were made on Thursday than Wednesday? _____
4. Sam made a valentine for every student in 4th grade, including himself. What is the total number of valentines Sam created? _____
5. There are 3 fourth grade classrooms at Sam's school. Each class has an equal number of students. How many students must be in each class? _____

Name: _____

VALENTINE PERIMETER

Directions: Find the perimeter or missing measurements of each rectangular valentine.

The image shows four valentine cards with various missing measurements and perimeters. Each card has a rectangular border and a central design.

- Card 1 (Top Left):** A rectangular card with a scalloped border. On the left side, there is a box containing "P=". On the right side, there is a heart-shaped stamp with a scalloped border. The left side is labeled "4 in.". The bottom side is labeled "9 in.". The top side has a blank line followed by "in.". The right side has a blank line followed by "in.".
- Card 2 (Top Right):** A rectangular card with a scalloped border. On the left side, there is a box containing "P=". On the right side, there is a heart-shaped stamp with a scalloped border. The top side is labeled "2 1/2 in.". The left side has a blank line followed by "in.". The bottom side has a blank line followed by "in.". The right side is labeled "3 in.". The right side also has a blank line followed by "in.".
- Card 3 (Bottom Left):** A rectangular card with a scalloped border. In the center, there is a heart shape containing "P= 30 in.". The top side is labeled "5 in.". The left side has a blank line followed by "in.". The bottom side has a blank line followed by "in.". The right side has a blank line followed by "in.".
- Card 4 (Bottom Right):** A rectangular card with a scalloped border. In the center, there is a heart shape containing "P= 14 in.". The top side has a blank line followed by "in.". The left side has a blank line followed by "in.". The bottom side has a blank line followed by "in.". The right side is labeled "4 in.".

Name: _____



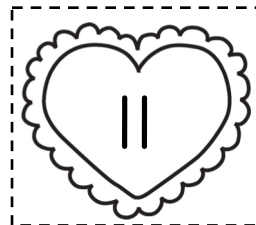
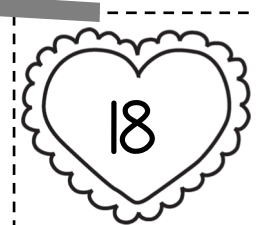
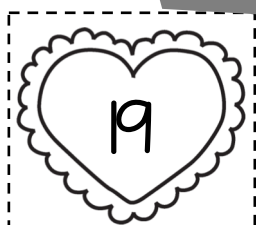
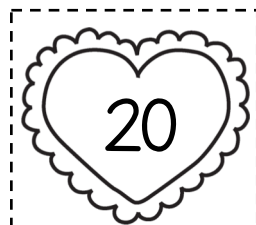
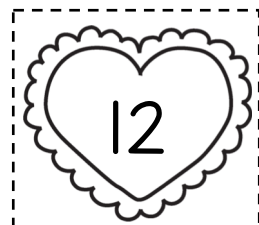
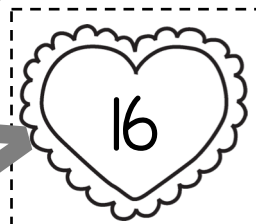
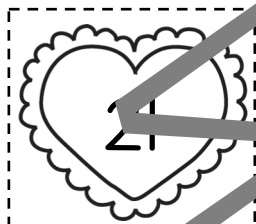
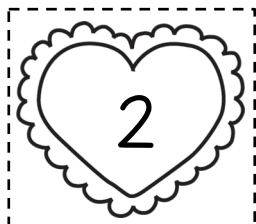
PRIME & COMPOSITE



Directions: Cut the numbers and paste them in the appropriate boxes.

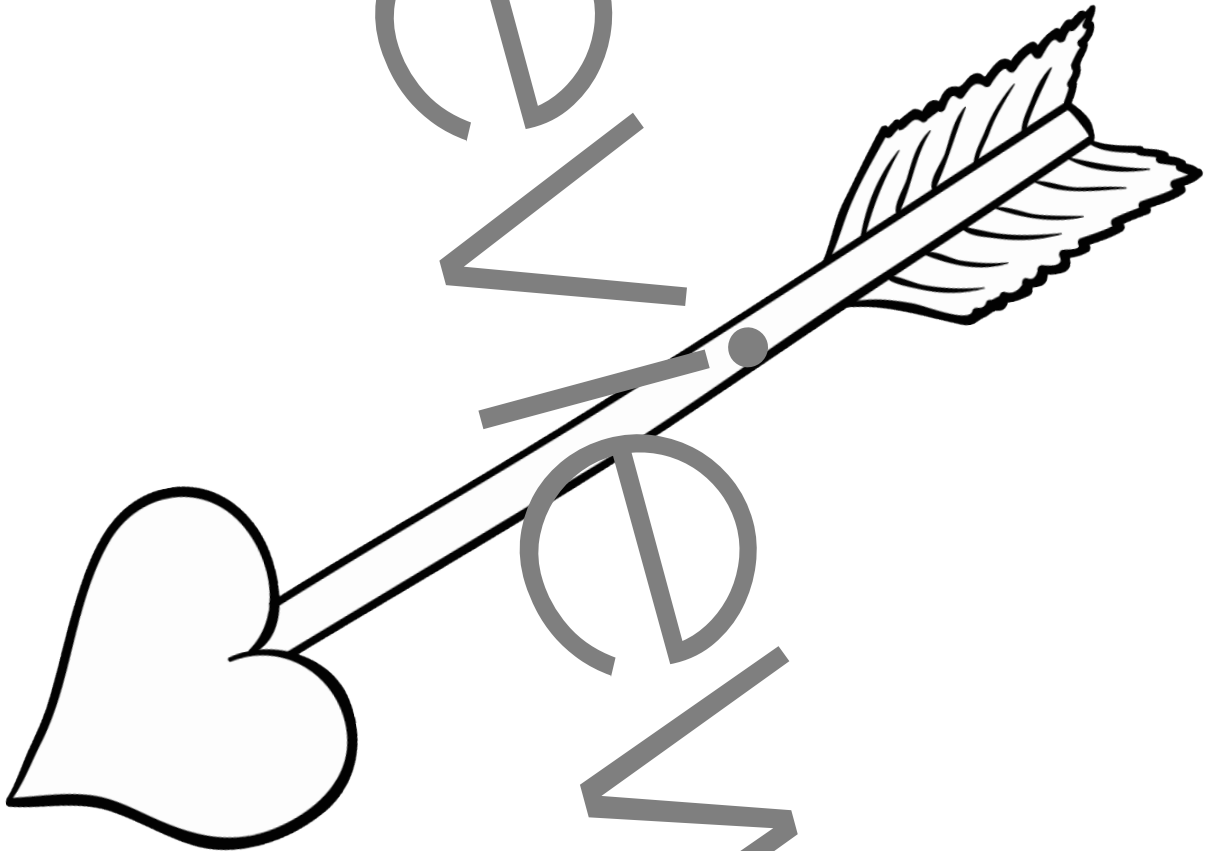
Prime

Composite



VALENTINES

COLOR BY PRODUCT



Name: _____

x2

NAME: _____

COLOR BY PRODUCT



4



6



8



10



12



14



16



18

4x2

2x4

2x4

5x2

2x2

2x2

2x5

2x2

2x6

2x2

8x2

2x8

2x2

2x8

2x3

2x8

2x2

2x8

8x2

2x8

2x7

2x2

8x2

8x2

7x2

6x2

2x7

8x2

2x7

6x2

2x9

2x6

6x2

2x9

2x8

3x2

8x2

9x2

2x8

8x2

8x2

2x9

2x8

8x2

2x9

x3

NAME: _____

COLOR BY PRODUCT



27



24



21



18



15



12



9



6