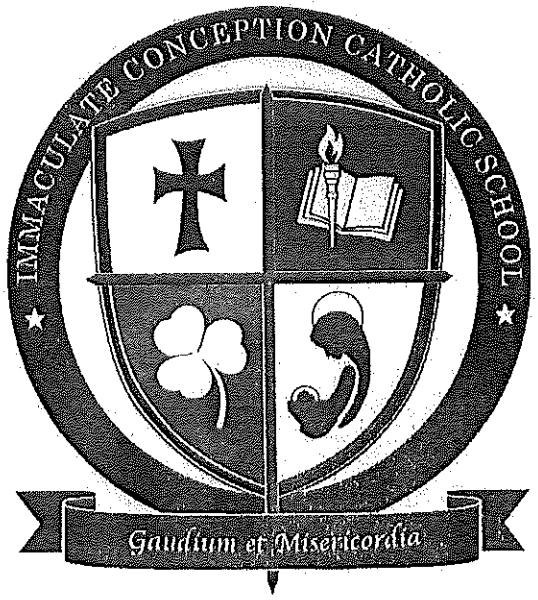
SUMMER MATH PACKET

4TH GRADE ENTERING 5TH GRADE



Build a 6-digit number from the parts

Grade 4 Place Value Worksheet

Example: 471,836 = 400,000 + 70,000 + 1,000 + 800 + 30 + 6

Write the 6-digit numbers

1. _____ 300,000 + 40,000 + 6,000 + 700

2. _____ 500,000 + 70,000 + 8,000 + 200 + 70 + 2

3. _____ 700,000 + 10,000 + 8,000 + 600 + 70 + 7

4. _____ 900,000 + 50,000 + 3,000 + 500 + 30 + 4

5. _____ 200,000 + 20,000 + 4,000 + 100 + 70 + 2

6. _____ 100,000 + 20,000 + 5,000 + 600 + 90 + 3

7. _____ 200,000 + 50,000 + 4,000 + 300 + 40 + 7

8. _____ 900,000 + 70,000 + 5,000 + 3

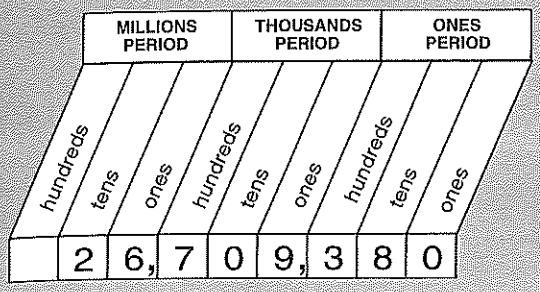
9. _____ 900,000 + 70,000 + 900 + 30 + 4

10. _____ 500,000 + 30,000 + 7,000 + 900 + 10 + 2

Millions

Name _____

Date _____



Standard Form: 26,709,380

Word Name: twenty-six million, seven hundred nine thousand, three hundred eighty

Write each digit of the number in its correct place in the chart.

1. 9,239,124
2. 47,962,471
3. 625,452,548

MILLIONS PERIOD			THOUSANDS PERIOD			ONES PERIOD		
h	t	o	h	t	o	h	t	o

Write the period of the underlined digits.

4. 963 ,479 _____

5. 836,592 _____

6. 806 ,219,479 _____

7. 259,724 ,416 _____

Write the value of the underlined digit.

8. 6,479,219 _____

9. 35,074,250 _____

10. 863,592 _____

11. 915,291,801 _____

Write in standard form.

12. seventy-six million, fifty-five thousand, two hundred eighty _____

13. five hundred eight million, two hundred seven thousand, nine _____

14. four million, three hundred thousand, four hundred twenty-five _____

15. fifteen million, six thousand, one hundred two _____

16. thirty-one million, seven hundred two _____

Ordering numbers up to 1 million

Grade 4 Place Value Worksheet

Write the numbers from smallest to largest.

1. 377,276 _____
   202,758 _____
   552,037 _____
   712,334 _____

2. 720,334 _____
   774,713 _____
   391,045 _____
   113,880 _____

3. 658,869 _____
   153,364 _____
   233,493 _____
   630,181 _____

4. 302,368 _____
   346,509 _____
   430,864 _____
   184,680 _____

5. 50,583 _____
   531,602 _____
   712,841 _____
   255,923 _____

6. 776,335 _____
   292,042 _____
   235,498 _____
   14,777 _____

Show your work!!! NO WORK, NO CREDIT!

ADDING LARGE NUMBERS

Add:

1. 1,370 + 3,874	2. 5,893 + 6,998	3. 6,908 + 4,365
4. 2,706 + 4,358	5. 8,643 + 2,971	6. 6,079 + 5,816
7. 87,564 + 31,933	8. 69,878 + 26,406	9. 37,073 + 19,849
10. 40,978 + 80,348	11. 638,913 + 16,109	12. 96,375 + 14,638
13. 29,346 + 1,207	14. 15,987 + 3,893	15. 89,857 + 9,248
16. 92,307 + 8,709	17. 60,703 + 1,759	18. 87,436 + 7,844
19. 57,436 + 73,967	20. 80,963 + 76,397	21. 67,293 + 36,937

Show your work!!! NO WORK, NO CREDIT!

SUBTRACTING LARGE NUMBERS

Subtract:

1. 793 − 261	2. 869 − 183	3. 207 − 128
4. 389 − 296	5. 573 − 298	6. 700 − 365
7. 2,394 − 1,389	8. 8,547 − 2,819	9. 9,641 − 2,708
10. 9,786 − 3,894	11. 8,193 − 2,295	12. 4,780 − 1,392
13. 8,963 − 987	14. 3,607 − 938	15. 4,879 − 907
16. 38,753 − 8,097	17. 20,195 − 5,187	18. 93,756 − 4,809
19. 53,697 − 14,809	20. 43,976 − 15,788	21. 67,805 − 18,951

Multiply in columns - 1 digit by 4 digit

Grade 4 Multiplication Worksheet

Find the product.

1. 2,586 × 7 = _____

2. 3,556 × 6 = _____

3. 5,453 × 7 = _____

4. 3,237 × 7 = _____

5. 1,343 × 5 = _____

6. 5,647 × 7 = _____

7. 1,199 × 2 = _____

8. 7,675 × 2 = _____

9. 4,109 × 7 = _____

10. 9,479 × 1 = _____

11. 8,460 × 4 = _____

12. 1,201 × 5 = _____

13. 4,783 × 7 = _____

14. 7,195 × 4 = _____

15. 3,310 × 9 = _____

Name: _____

What's All the Racket?

Find each product.

1. 32 x 16

2. 45 x 14

3. 57 x 34

4. 82 x 21

5. 74 x 33

6. 49 x 23

7. 51 x 43

8. 77 x 64

9. 30 x 40 = _____

10. 40 x 12 = _____

Solve the riddle by crossing out the boxes which have the answers from above. The remaining letters will spell the answer to the riddle. Write the answer in the blank.

Riddle: Why is it always so noisy in the barn?

B	**E**	**R**	**C**	**Z**	**A**	**U**	**E**	**S**	**E**	**G**	**A**
319	711	512	491	1,938	617	500	630	311	470	1,722	480
A	**L**	**L**	**K**	**T**	**H**	**E**	**C**	**S**	**O**	**W**	**S**
711	817	611	1,200	1,129	931	711	1,931	4,928	1,111	631	871
H	**N**	**A**	**V**	**E**	**H**	**B**	**O**	**R**	**N**	**E**	**S**
404	1,127	1,271	6,111	300	477	2,442	2,112	1,711	1,443	2,193	4,982

Answer: _____

Show your work!!! NO WORK, NO CREDIT!

Multiply in columns - 2 digit by 2 digit

Grade 4 Multiplication Worksheet

Find the product.

1. 35×97

2. 36×20

3. 29×64

4. 53×95

5. 71×74

6. 74×11

7. 19×77

8. 96×58

9. 68×17

Show your work!!! NO WORK, NO CREDIT!

multiplication of 3 digits by 2 digits

Name _____

A Rainy Day

Multiply.

1. 236 x 23 — **B**

2. 473 x 45 — **U**

3. 637 x 54 — **R**

4. 741 x 83 — **A**

5. 294 x 45 — **M**

6. 268 x 72 — **L**

7. 378 x 89 — **E**

8. 903 x 34 — **L**

9. 423 x 36 — **S**

To solve the riddle, write the letters in the blanks above the matching answers.

Riddle: What are raised in rainy countries?

Answer:

21,285	13,230	5,428	34,398	33,642	19,296	30,702	61,503	15,228

Show your work!!! NO WORK, NO CREDIT!

PRODUCTS OF TWO-DIGIT AND THREE-DIGIT NUMBERS

Multiply:

1. 400 × 32	2. 800 × 49	3. 300 × 98	4. 500 × 63
5. 304 × 12	6. 706 × 23	7. 807 × 42	8. 902 × 63
9. 640 × 47	10. 380 × 91	11. 760 × 38	12. 490 × 78
13. 354 × 51	14. 497 × 36	15. 752 × 91	16. 567 × 89
17. 642 × 29	18. 575 × 63	19. 894 × 46	20. 937 × 96

Student Name: _____ Score:

Word Problems

	Work Space
Albert buys 6 LCD TVs. The cost of each TV is $259. What is the cost of 6 LCD TVs? Answer = _____	
A bolt manufacturing company packs 750 bolts in a carton. How many bolts are there in 8 cartons? Answer = _____	
Kevin plans a field trip to New Jersey. He rents a room in a hotel at a cost of $219 per day. If he stays in the hotel for 1 week, how much does he need to pay? Answer = _____	
Jackson works as carpenter for a chair manufacturing company. He earns $450 per week. How much does he earn in 4 weeks? Answer = _____	

Show your work!!! NO WORK, NO CREDIT!

Larger Quotients

Name _____

Date _____

497 ÷ 3 = ?

$$\begin{array}{r} 165\ \text{R2} \\ 3\overline{)497} \\ -3\downarrow \\ \hline 19 \\ -18\downarrow \\ \hline 17 \\ -15 \\ \hline 2 \end{array}$$

Check.
$165 \times 3 + 2 = 497$

Divide and check.

1. $7\overline{)782}$
2. $5\overline{)850}$
3. $6\overline{)672}$
4. $8\overline{)981}$
5. $6\overline{)4148}$
6. $2\overline{)1543}$
7. $4\overline{)2852}$
8. $9\overline{)1134}$
9. $5\overline{)41,585}$
10. $2\overline{)32,406}$
11. $8\overline{)522,872}$
12. $9\overline{)515,056}$

Solve.

13. Maggie has 1073 tulip bulbs. She plants 5 bulbs in each pot. How many flower pots does she need? How many bulbs are left over?

14. An automobile factory made 8500 cars. The same number of cars was sent to 4 cities. How many cars were sent to each city?

Student Name: _____ Score:

[illegible] word Problems

Questions	Workspace
Antony ordered 7 pizzas. He paid $315. What is the cost of each pizza? Answer:	
The maintenance charge collected from 8 houses is $120. What is the maintenance charge per house? Answer:	
Sony digital company sends announcements to the employees by email. 6 Sony executives sent emails to 324 employees. What is the number of emails sent by each executive? Answer:	
A florist made 210 Bouquets in 5 days. How many Bouquets did the florist make in a day? Answer:	

Show your work!!! NO WORK, NO CREDIT!

Name _____

Every"body" Dance!

Divide. Then solve the riddle by writing the correct letters in the boxes.

1. $12\overline{)265}$ **H**
2. $21\overline{)467}$ **W**
3. $25\overline{)529}$ **E**
4. $32\overline{)996}$

5. $11\overline{)480}$ **N**
6. $15\overline{)365}$ **A**
7. $12\overline{)263}$ **D**
8. $10\overline{)186}$

9. $14\overline{)304}$ **Y**
10. $51\overline{)591}$ **B**
11. $23\overline{)492}$ **T**
12. $11\overline{)471}$

Riddle: Why didn't the skeleton go to the school dance?

Answer:

☐	☐		☐	☐	☐		☐	☐	
22R1	21R4		22R1	24R5	21R11		43R7	18R6	
☐	☐		☐	☐	☐	☐	☐	☐	
11R30	18R6	21R11	21R10				21R9	18R6	
☐	☐		☐	☐			☐	☐	☐	☐
42R9	18R6						22R5	31R4	21R9	22R1

Adding fractions (like denominators)

Grade 4 Fractions Worksheet

Find the sum.

1. $\frac{7}{11} + \frac{2}{11} =$ _____
2. $\frac{3}{7} + \frac{2}{7} =$ _____
3. $\frac{2}{9} + \frac{3}{9} =$ _____
4. $\frac{2}{7} + \frac{6}{7} =$ _____
5. $\frac{19}{20} + \frac{19}{20} =$ _____
6. $\frac{24}{25} + \frac{20}{25} =$ _____
7. $\frac{1}{4} + \frac{1}{4} =$ _____
8. $\frac{5}{100} + \frac{9}{100} =$ _____
9. $\frac{5}{8} + \frac{7}{8} =$ _____
10. $\frac{11}{12} + \frac{11}{12} =$ _____
11. $\frac{2}{6} + \frac{5}{6} =$ _____
12. $\frac{1}{2} + \frac{1}{2} =$ _____
13. $\frac{2}{15} + \frac{3}{15} =$ _____
14. $\frac{4}{14} + \frac{6}{14} =$ _____
15. $\frac{11}{13} + \frac{12}{13} =$ _____
16. $\frac{3}{5} + \frac{4}{5} =$ _____
17. $\frac{7}{11} + \frac{5}{11} =$ _____
18. $\frac{1}{3} + \frac{1}{3} =$ _____
19. $\frac{2}{16} + \frac{13}{16} =$ _____
20. $\frac{8}{10} + \frac{5}{10} =$ _____
21. $\frac{6}{50} + \frac{15}{50} =$ _____

Equivalent Fractions

Grade 4 Fractions Worksheet

Complete the equivalent fractions.

1. $\frac{1}{6} = \frac{\quad}{24}$
2. $\frac{\quad}{9} = \frac{42}{63}$
3. $\frac{4}{8} = \frac{\quad}{24}$
4. $\frac{18}{25} = \frac{126}{\quad}$
5. $\frac{\quad}{4} = \frac{12}{24}$
6. $\frac{9}{12} = \frac{54}{\quad}$
7. $\frac{6}{7} = \frac{\quad}{56}$
8. $\frac{5}{10} = \frac{\quad}{90}$
9. $\frac{1}{2} = \frac{\quad}{10}$
10. $\frac{2}{3} = \frac{12}{\quad}$
11. $\frac{\quad}{5} = \frac{30}{50}$
12. $\frac{4}{\quad} = \frac{40}{100}$
13. $\frac{1}{3} = \frac{10}{\quad}$
14. $\frac{3}{7} = \frac{\quad}{28}$
15. $\frac{\quad}{2} = \frac{6}{12}$
16. $\frac{\quad}{5} = \frac{4}{10}$
17. $\frac{\quad}{6} = \frac{12}{36}$
18. $\frac{2}{4} = \frac{\quad}{16}$

Convert improper fractions to mixed numbers

Grade 4 Fractions Worksheet

Convert.

1. $\frac{10}{3}$ = _____
2. $\frac{7}{2}$ = _____
3. $\frac{7}{5}$ = _____
4. $\frac{38}{10}$ = _____
5. $\frac{20}{12}$ = _____
6. $\frac{3}{2}$ = _____
7. $\frac{9}{5}$ = _____
8. $\frac{13}{4}$ = _____
9. $\frac{19}{5}$ = _____
10. $\frac{7}{4}$ = _____
11. $\frac{26}{12}$ = _____
12. $\frac{12}{8}$ = _____
13. $\frac{17}{8}$ = _____
14. $\frac{16}{5}$ = _____
15. $\frac{9}{6}$ = _____
16. $\frac{19}{12}$ = _____
17. $\frac{11}{6}$ = _____
18. $\frac{5}{3}$ = _____
19. $\frac{27}{10}$ = _____
20. $\frac{11}{4}$ = _____
21. $\frac{10}{6}$ = _____

Name _____

Dirty and White?

Draw a line with a ruler from each improper fraction to the equivalent mixed number. Ther to solve the riddle, write each letter in the correct numbered blank.

1.	$\frac{4}{3}$	$2\frac{3}{4}$	D
2.	$\frac{6}{5}$	$1\frac{2}{3}$	K
3.	$\frac{9}{4}$	$1\frac{3}{4}$	B
4.	$\frac{7}{3}$	$1\frac{1}{5}$	H
5.	$\frac{5}{3}$	$2\frac{1}{2}$	O
6.	$\frac{7}{4}$	$2\frac{1}{3}$	L
7.	$\frac{10}{4}$	$1\frac{1}{3}$	C
8.	$\frac{7}{2}$	$2\frac{1}{4}$	A
9.	$\frac{10}{3}$	$3\frac{1}{3}$	R
10.	$\frac{11}{4}$	$3\frac{1}{2}$	A

Riddle: What is white when it is dirty?

Answer: ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

1 2 3 4 5 6 7 8 9 10

Ordering decimals

Grade 4 Decimals Worksheet

Write the numbers from smallest to largest.

1. 9.34 _____
   83.9 _____
   21.4 _____
   0.96 _____

2. 8.11 _____
   34.1 _____
   1.29 _____
   3.16 _____

3. 5.94 _____
   8.65 _____
   7.7 _____
   6.23 _____

4. 9.58 _____
   29.6 _____
   6.70 _____
   94.1 _____

5. 58.1 _____
   2.74 _____
   35.4 _____
   0.65 _____

6. 7.30 _____
   0.28 _____
   0.01 _____
   3.63 _____

7. 1.43 _____
   0.54 _____
   4.57 _____
   0.05 _____

8. 4.3 _____
   21.7 _____
   2.16 _____
   2.28 _____

9. 7.93 _____
   5.94 _____
   0.93 _____
   28.7 _____

Name _____

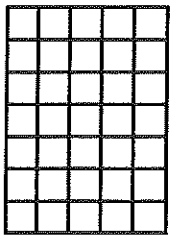
Measuring Area

Area is found by multiplying the length times the width.

Area = length x width

Find the area of each figure.

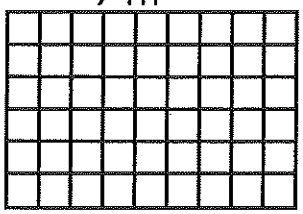
1. 5 ft.



7 ft.

_____ x _____ =_____ sq. ft.

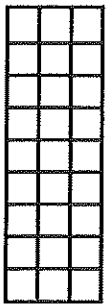
2. 9 ft.



6 ft.

_____ x _____ =_____ sq. ft.

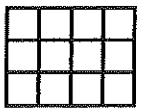
3. 3 ft.



9 ft.

_____ x _____ =_____ sq. ft.

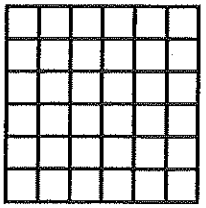
4. 4 ft.



3 ft.

_____ x _____ =_____ sq. ft.

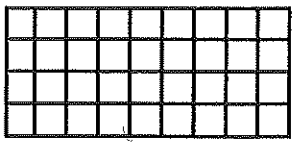
5. 6 ft.



6 ft.

_____ x _____ =_____ sq. ft.

6. 9 ft.



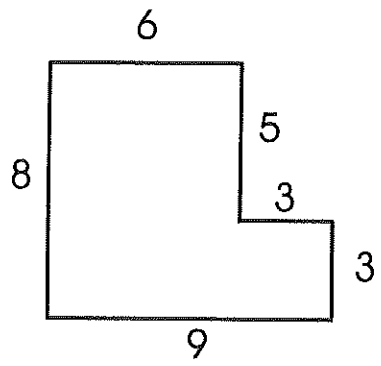
4 ft.

_____ x _____ =_____ sq. ft.

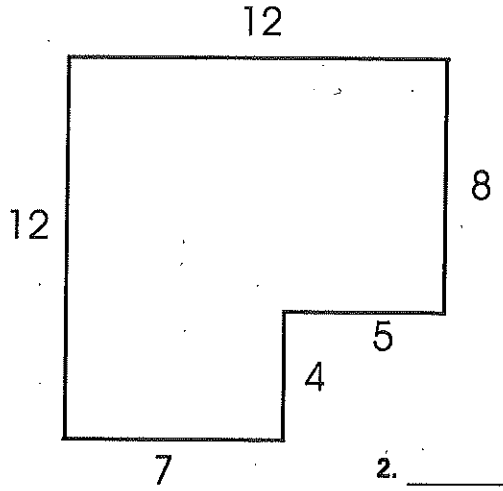
Name _____

Perimeter Problems

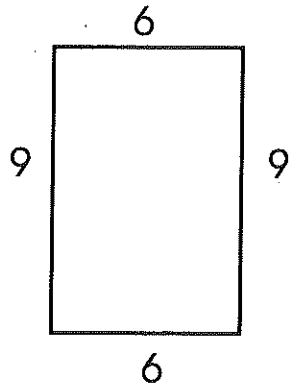
Find the perimeter of each figure.



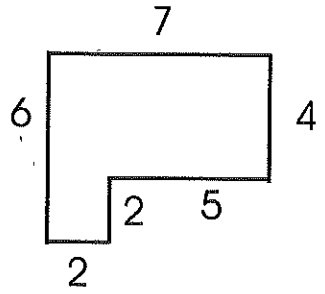
1. _____



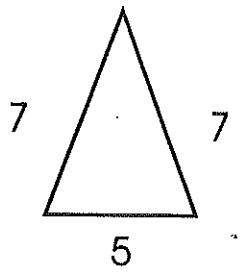
2. _____



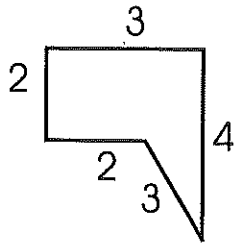
3. _____



4. _____



5. _____

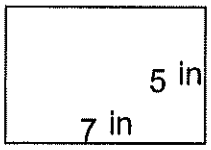


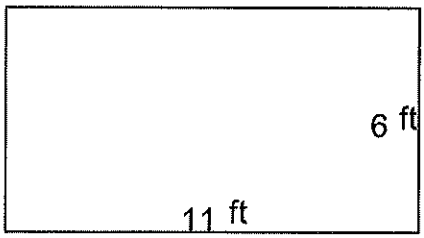
6. _____

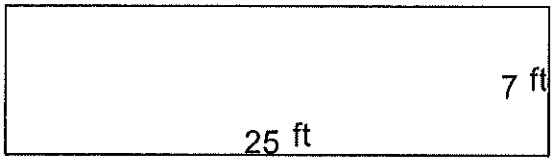
Rectangles - area and perimeter

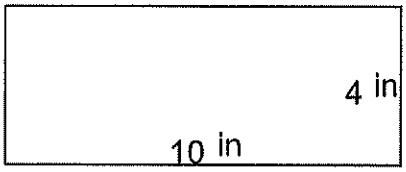
Grade 4 Geometry Worksheet

Find the perimeter and area of each rectangle.

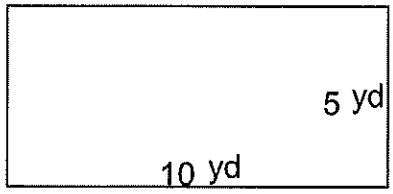
1. 

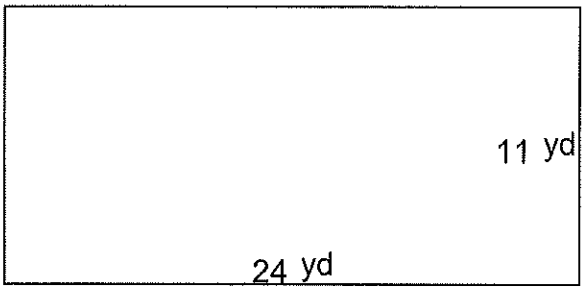
2. 

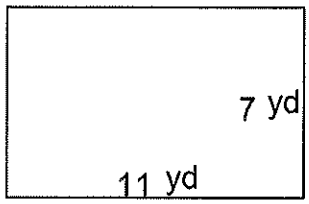
3. 

4. 

5. 

6. 

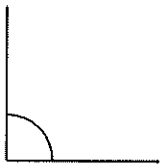
7. 

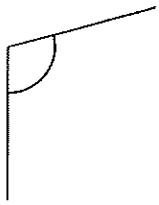
8. 

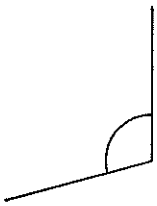
Classifying angles (acute / obtuse / right)

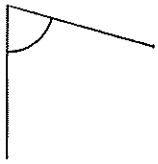
Grade 4 Geometry Worksheet

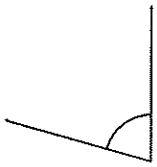
Classify the angles as acute, obtuse or right.

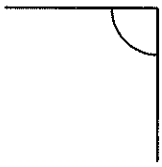
1. 

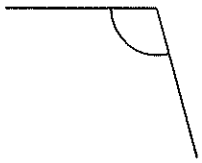
2. 

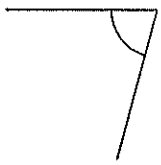
3. 

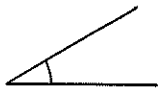
4. 

5. 

6. 

7. 

8. 

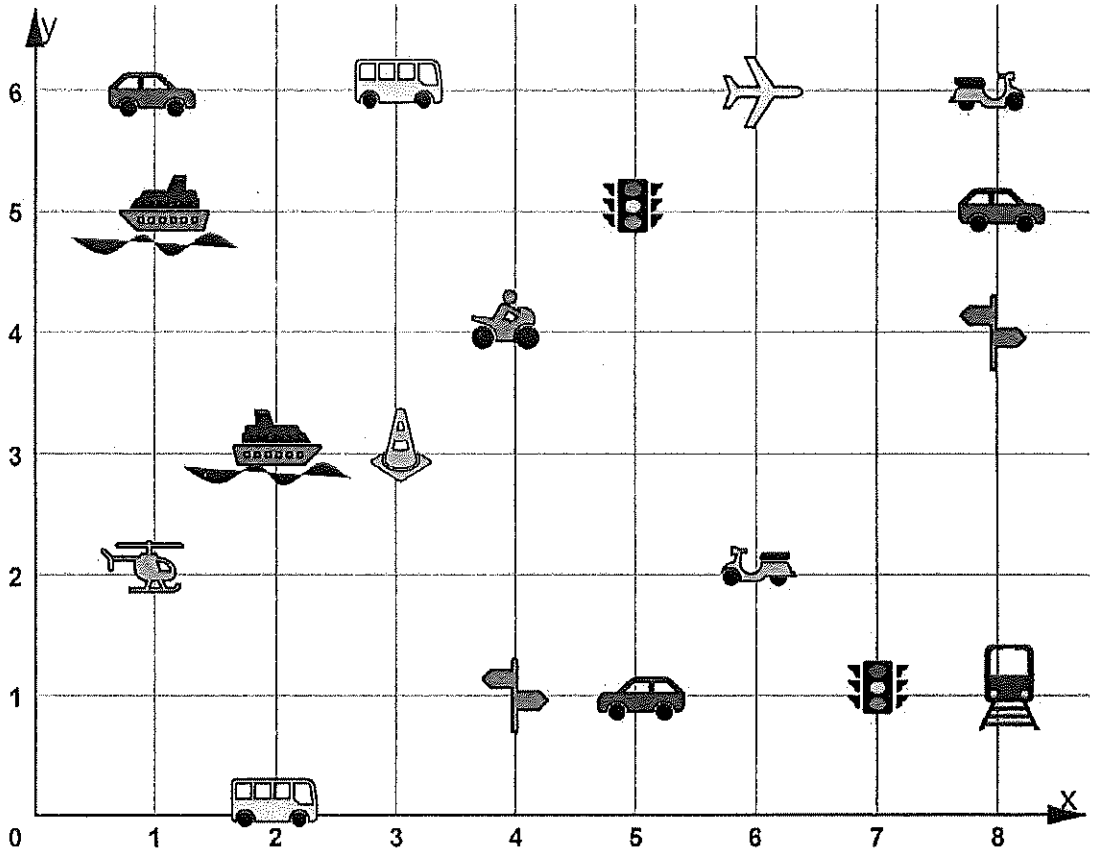
9. 

Mystery message

Grade 4 Geometry Worksheet

Determine the mystery place: look up the coordinates and write down the letter for each vehicle.

=E	=R	=K	=A	=C	=G
=H	=L	=N	= I	=Z	=O



MYSTERY PLACE:

(3,3)	(1,6)	(1,5)	(1,2)	(3,6)	(8,1)	(5,5)	(6,6)	(4,1)

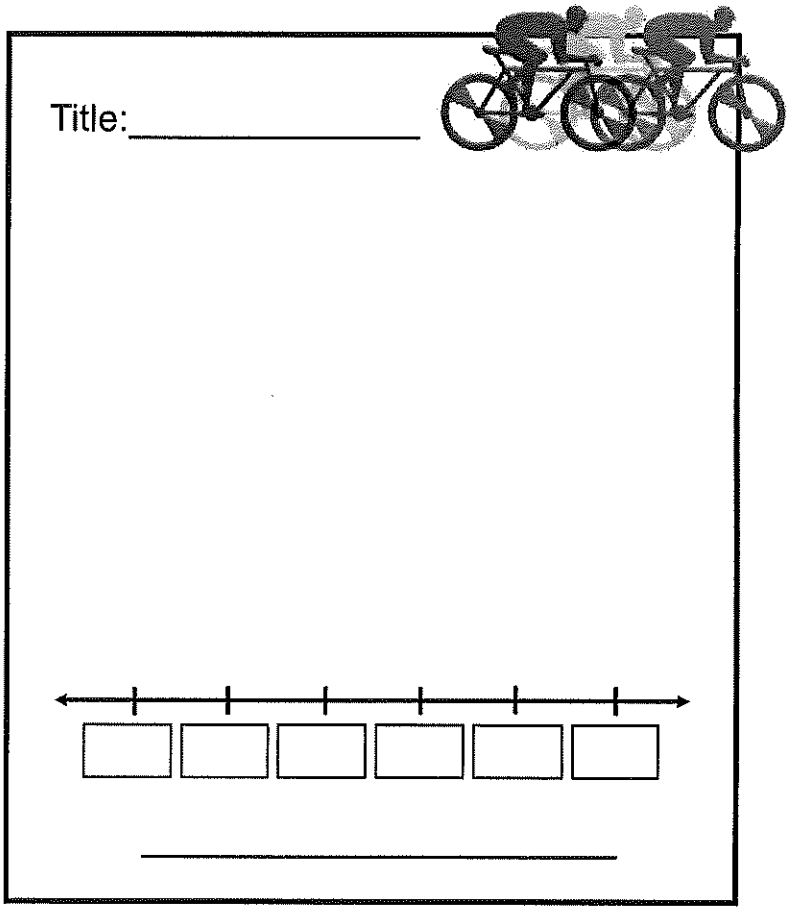
(6,2)	(2,3)	(8,5)	(5,1)	(4,4)	(1,6)

Biking line plot with fractions

Data and Graphing Worksheet

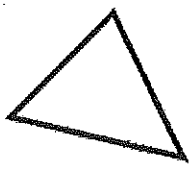
A group of cyclists recorded the distance they have traveled. Draw a line plot and answer the questions below.

Name	Distance in miles
Gina	40 1/2
Rey	50
Faye	35 3/4
Mark	60
John	45
James	55 1/4
Albert	60
William	45
Nathan	40 1/2
Kate	50
Mary	45
Risa	40 1/2
Paul	60
Abi	40 1/2
Joan	35 3/4

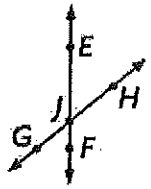
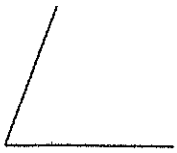


1. How many cyclists were there? _____
2. What was the longest distance traveled? _____
3. How many cyclists traveled less than 50 miles? _____
4. What was the most common distance traveled by the cyclists? _____
5. How many more cyclists traveled 45 miles than 55 1/4 miles? _____
6. How many cyclists traveled more than 45 miles? _____

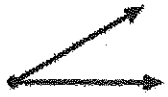
Show your work!!! NO WORK, NO CREDIT!

1. $\begin{array}{r} 59 \\ \times\ 8 \\ \hline \end{array}$	2. $\begin{array}{r} 123{,}192 \\ +\ \ 9{,}585 \\ \hline \end{array}$	3. Solve the expression. Use Order of Operations $9 \times (3-1)$
4. List the first 5 multiples of: 8:_____ 9:_____ 10:_____	5. Use the distributive property to solve: $6 \times (11 + 5)$	6. Name the rule and list the next three terms in the pattern. 10, 20, 18, 36, 34...
7. Solve. $1 - \frac{1}{5} =$	8. Order the decimals from least to greatest. 38.09; 308.90; 38.04; 38.90	9. Solve: 783.4 + 46.374 = _____
10. Draw and label: ray LM	11. Fill in the blanks. 2 miles = _____ feet 20 pints = _____ quarts	12. How much time has elapsed? 3:00 A.M. to 7:14 A.M.
 13. Classify the triangle as acute, obtuse, or right.	14. Find the area and perimeter. 12 in 4 in 	15. Willy has 1,850 crayons. Lucy has 739 crayons. How many more crayons does Willy have than Lucy?

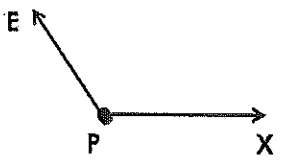
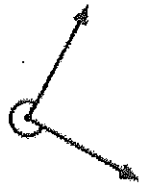
Show your work!!! NO WORK, NO CREDIT!

1. $2{,}783 \div 5 =$ _____	2. $\begin{array}{r} 1{,}002 \\ -\quad 99 \\ \hline \end{array}$	3. Solve the expression. Use Order of Operations $18 \div 2 + 4$
4. List the factors of: 9: _____ 33: _____	5. Use the distributive property to solve: $6 \times (12 + 8)$	6. Name the rule and list the next three terms in the pattern. 56, 67, 78, 89, 100 ...
7. Compare using <, >, or =. $\frac{4}{9}$ ____ $\frac{5}{10}$ $\frac{2}{3}$ ____ $\frac{1}{5}$	8. Compare using <, >, or =. 0.67 _____ 0.6 3.28 _____ 3.289	9. Solve: $67 - 0.2 =$ _____
10. Parallel, perpendicular, or intersecting? 	11. Fill in the blanks. 72 inches = _____ feet 4 pounds = _____ ounces	12. 500,000 + 30,000 + 400 +20 + 7 = _____
13.  What is the best estimate for the measure of this angle? 80°, 120°, or 30°	14. Find the area and perimeter. 20 ft 4 ft	15. Round to the nearest thousand place. 4,799 _____ 12,200 _____ 15,231 _____

Show your work!!! NO WORK, NO CREDIT!

1. 827 x 32	2. 1,675 + 1,092	3. Solve the expression. Use Order of Operations $(24+2)\div 2$
4. List the first 5 multiples of: 3:_____ 5:_____ 7:_____	5. Use the distributive property to solve: $4 \times (10 + 7)$	6. Name the rule and list the next three terms in the pattern. 5, 4, 8, 7, 14...
7. Write the fractions as fractions with a common dominator. $\frac{3}{4}$ and $\frac{1}{3}$	8. Write each decimal in word form. 302.78_____ _____ 15.023_____ _____	9. Solve: 14.2 + 0.23 = _____
10. Name the type of angle. 	11. Fill in the blanks. 20 quarts = _____ gallons 7 tons = _____ pounds	12. How much time has elapsed? 2:20 P.M. to 5:57 P.M.
13.  What is the best estimate for the measure of this angle? 80°, 120°, or 30°	14. Find the area and perimeter. 5 cm 4 cm 	15. Carl put 42 cards into equal stacks of 7. How many stacks did he make?

Show your work!!! NO WORK, NO CREDIT!

1. $179 \div 4 =$ _____	2. $\begin{array}{r} 70{,}076 \\ -\ 5{,}895 \\ \hline \end{array}$	3. Solve the expression. Use Order of Operations $3 \times 20 - 5$
4. List the factors of: 21: _____ 7: _____	5. Use the distributive property to solve: $3 \times (8 + 12)$	6. Name the rule and list the next three terms in the pattern. 10, 18, 26, 34, 42 ...
7. Write each fraction in simplest form. $\frac{3}{12} =$ $\frac{4}{10} =$	8. Write each decimal: sixty-five and four thousandths _____ one hundred two and two hundredths _____	9. Solve: $6.76 - 0.3 =$ _____
10.  Name the angle: _____ What type of angle is it? _____	11. Fill in the blanks. _____ inches = 2 yards _____ feet = 1 mile	12. Find the missing number. $60 \times$ _____ $= 2{,}400$
13. What fraction of a turn is this angle? 	14. Find the area and perimeter. 	15.  Classify the triangle as acute, obtuse, or right.