Name _____

An Overview of Japan

Japan is an island country in the Pacific Ocean. It is made up of four big islands and 3,000 smaller ones. Japan's neighbors are China, Russia, and Korea.

This Asian country has many mountains. The only low, flat places are along the coast. That is where most of the people live. That is also where the big cities are found. Tokyo is the capital of Japan.

The people are called Japanese. That is also the name of their language. It is quite crowded in Japan. Only six other countries have more people.

For years the emperor ruled Japan. He had all the power. Now the power belongs to the people. They elect members of the Diet. The Diet is like our United States Congress. The people also choose a prime minister, who is like our President.

Here is the way Japan's weather report might sound for a June day: "Heavy rains today. This should be good for the farmers. Expect a high temperature near 86 degrees. You might feel four or five gentle earthquakes, but don't worry. None of them will be strong enough to bring a tidal wave. Oh, and watch out for that smoking volcano. It might erupt, but there should be no danger."

Japan has 60 active volcanoes. Each year, it has 1,500 mild earthquakes. The heavy rains sometimes turn into big storms called typhoons.

Use words from the story to answer the questions.

1. How many islands make up the country of Japan?

   _____

2. Who are Japan's neighbors? _____
3. What is the capital of Japan? _____
4. What is the name of the language? _____
5. What is like our United States Congress? _____
6. What is a giant wave called? _____
7. What are big storms with heavy rains called? _____

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Name _____

Tales from India

chief	**raised**	**newspaper**	**travelers**	**stories**
answers	**taught**	**Courageous**	**railroad**	**popular**

Fill in the blanks with words from the box.

A world-famous writer by the name of Rudyard Kipling grew up in India. He lived from 1865-1936.

Perhaps you have read some of his children's books and _____. One of them is *The Jungle Book*. It is about a boy from India named Mowgli. He is _____ in the jungle by a pack of wolves.

Kipling was born in Bombay. His father _____ art in that city. His parents were from England, and he could read and write English. Kipling went to school in England for a while when he was a young boy. At that time, India was ruled by England.

When Kipling was 12 years old, he became the _____ writer for his school paper. When he was 17, he got his first real job working for a _____. He wrote poems and stories about life in India. The paper was sold in _____ stations. Many _____ read Kipling's stories. He became a _____ writer.

His "Just So Stories" have _____ to funny questions. One question is how the elephant got its trunk. Another question is how the leopard got its spots.

You might know the names of other Kipling stories. "Wee Willie Winkie" is one. "Gunga Din" is a long poem about heroes. *Captains Courageous* is about life at sea. "_____" means "brave."

In all, Kipling wrote 300 stories. He told the world about life in India.

1. Who raised Mowgli?

   _____

2. Who ruled India during Kipling's time?

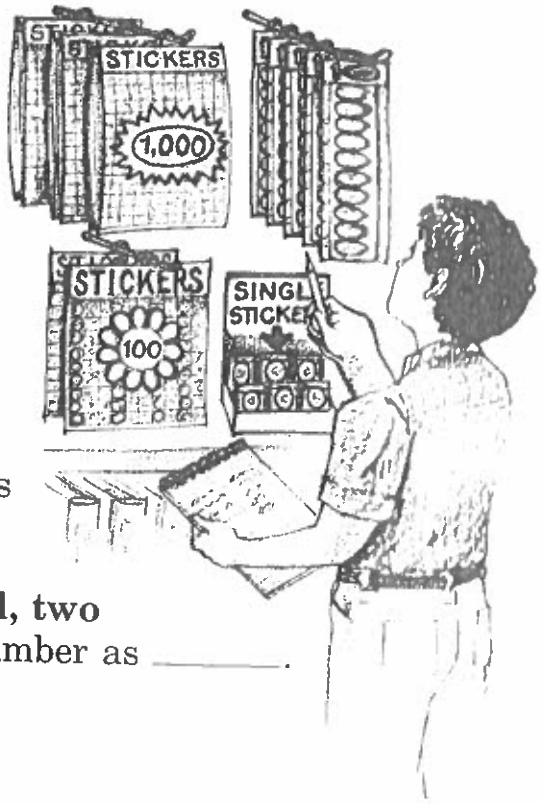
   _____

3. What did Kipling tell the world?

   _____

Understanding Thousands

Roberto is taking inventory of the stickers that the bookstore has to sell. How many stickers are in stock?



Roberto counts _____ envelopes of 1,000 stickers each.

He has _____ sheets of 100 stickers each.

Roberto also has _____ strips of 10 stickers each, and _____ individual stickers.

We say that Roberto counts **three thousand, two hundred fifty-six** stickers. We write the number as _____.

To understand the total number of stickers, study this place value chart.

thousands	hundreds	tens	ones
3	2	5	6

In the number, **3,256,**

- the digit _____ is in the ones place.
- the digit _____ is in the tens place.
- the digit _____ is in the hundreds place.
- the digit _____ is in the thousands place.

Roberto counts _____ stickers in the bookstore.

Getting Started

Write the number.

1. five thousand, two hundred twenty-three _____

Write the place value of the red digits.

2. 3,275 _____ 3. 1,086 _____ 4. 4,390 _____ 5. 6,005 _____

Write the missing words.

6. 1,900 one _____, nine hundred 7. 6,040 six thousand, _____

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Comparing Numbers

The Parana River is in South America. The Mississippi River is in North America. Which river is longer?

Principal Rivers of the World	
River	Length
Amazon	4,000 miles
Mississippi	2,348 miles
Nile	4,145 miles
Parana	2,485 miles

We want to know if the Parana or the Mississippi River is longer.
We know that the Parana River is _____ miles long.
The length of the Mississippi River is _____ miles.
To find the longer river, we compare their lengths.

	thousands	hundreds
Parana	2,485	2,485
Mississippi	2,348	2,348
	2 = 2	4 > 3

We say 2,485 is greater than 2,348.

We write _____ > _____.

The _____ River is longer than the _____ River.

Getting Started

Compare these numbers. Write < or > in the circle.

1. 583 ◯ 581
2. 325 ◯ 383
3. 216 ◯ 410
4. 7,919 ◯ 8,215
5. 8,096 ◯ 8,039
6. 5,416 ◯ 5,420

Write the numbers in order from least to greatest.

7. 3,715, 4,210, 1,650

_____, _____, _____

8. 3,748, 3,750, 3,746

_____, _____, _____

9. 8,050, 8,196, 8,100

_____, _____, _____

10. Write the names of the principal rivers in order, from shortest to longest.

_____ _____

Practice

Round to the nearest ten.

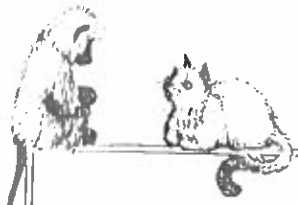
1. 26 _____	2. 67 _____	3. 59¢ _____	4. 35 _____
5. 47¢ _____	6. 81 _____	7. 87 _____	8. 78¢
9. 23 _____	10. 17 _____	11. 25¢ _____	12. 38 _____
13. 72 _____	14. 91¢ _____	15. 42 _____	16. 76 _____

Round to the nearest hundred.

17. 351 _____	18. 286 _____	19. 142 _____	20. $350
21. $187 _____	22. 427 _____	23. 583 _____	24. 791 _____
25. 820 _____	26. $275 _____	27. 321 _____	28. 468 _____

Round to the nearest dollar.

29. $8.51 _____	30. $6.35 _____	31. $2.50 _____	32. $3.16 _____
33. $7.89 _____	34. $5.29 _____	35. $4.10 _____	36. $7.38 _____



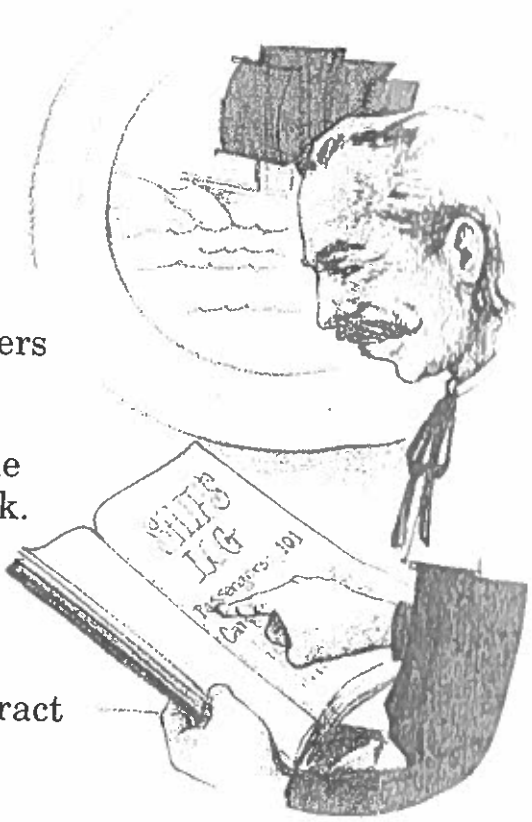
EXCURSION

How many hidden numbers can you find in the meaning of these words? Write the numbers on the blanks.

double _____	dozen _____	baker's dozen _____
decade _____	score _____	octet _____
unit _____	quartet _____	gross _____
century _____	quintet _____	twins _____
ream _____	triple _____	quire _____
trio _____	duo _____	quadruplets _____

Subtracting, Minuends with Zeros

The Mayflower landed at Plymouth Rock in 1620. There were 87 Pilgrims among the passengers. How many passengers were not Pilgrims?



We want to know how many of the passengers were not Pilgrims.

We know there were ____ people aboard the Mayflower when it landed at Plymouth Rock.

Of all the people on the ship, only ____ were Pilgrims.

To find the number of non-Pilgrims we subtract ____ from ____.

Subtract the ones. Trade if needed.

100 = 0 hundreds and 10 tens
10 tens = 9 tens and 10 ones

$$\begin{array}{r} {\scriptstyle 9\ 10\ 11} \\ 10\not{1}\not{1} \\ -\ 87 \\ \hline 4 \end{array}$$

Subtract the tens.

9 tens − 8 tens = 1 ten

$$\begin{array}{r} {\scriptstyle 9} \\ 1\not{0}1 \\ -\ 87 \\ \hline 14 \end{array}$$

Subtract the hundreds.

0 hundreds − 0 hundreds
0 hundreds

$$\begin{array}{r} 101 \\ -\ 87 \\ \hline 14 \end{array}$$

There were ____ passengers on the Mayflower who were not Pilgrims.

Getting Started

Subtract.

1. $\begin{array}{r} 503 \\ -\ 231 \\ \hline \end{array}$
2. $\begin{array}{r} 706 \\ -\ 88 \\ \hline \end{array}$
3. $\begin{array}{r} 521 \\ -\ 126 \\ \hline \end{array}$
4. $\begin{array}{r} \$4.06 \\ -\ 1.85 \\ \hline \end{array}$

Copy and subtract.

5. $\$3.05 - \$2.95$
6. $603 - 245$
7. $905 - 728$
8. $\$7.04 - \$5.28$

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Practice

Complete the table.

1.

The Facts of 7

0	1	2	3	4	5	6	7	8	9
0	7	14							

Multiply.

2. $5 \times 6 =$ ___
3. $1 \times 7 =$ ___
4. $2 \times 6 =$ ___
5. $7 \times 7 =$ ___
6. $3 \times 7 =$ ___
7. $9 \times 7 =$ ___
8. $0 \times 6 =$ ___
9. $4 \times 6 =$ ___
10. $6 \times 7 =$ ___
11. $7 \times 6 =$ ___
12. $4 \times 7 =$ ___
13. $1 \times 6 =$ ___
14. $3 \times 6 =$ ___
15. $9 \times 6 =$ ___
16. $8 \times 7 =$ ___
17. $0 \times 7 =$ ___

18. $\begin{array}{r} 6 \\ \times\ 6 \end{array}$
19. $\begin{array}{r} 7 \\ \times\ 5 \end{array}$
20. $\begin{array}{r} 7 \\ \times\ 2 \end{array}$
21. $\begin{array}{r} 6 \\ \times\ 8 \end{array}$
22. $\begin{array}{r} 6 \\ \times\ 1 \end{array}$
23. $\begin{array}{r} 7 \\ \times\ 4 \end{array}$

24. $\begin{array}{r} 7 \\ \times\ 5 \end{array}$
25. $\begin{array}{r} 6 \\ \times\ 0 \end{array}$
26. $\begin{array}{r} 6 \\ \times\ 4 \end{array}$
27. $\begin{array}{r} 7 \\ \times\ 0 \end{array}$
28. $\begin{array}{r} 6 \\ \times\ 5 \end{array}$
29. $\begin{array}{r} 6 \\ \times\ 6 \end{array}$

30. $\begin{array}{r} 7 \\ \times\ 1 \end{array}$
31. $\begin{array}{r} 7 \\ \times\ 7 \end{array}$
32. $\begin{array}{r} 7 \\ \times\ 9 \end{array}$
33. $\begin{array}{r} 6 \\ \times\ 2 \end{array}$
34. $\begin{array}{r} 7 \\ \times\ 3 \end{array}$
35. $\begin{array}{r} 6 \\ \times\ 7 \end{array}$

Apply

Solve these problems.

36. I have 9 key rings. Each key ring holds 6 keys. How many keys do I have?

37. There are 15 apples in a bag. 7 apples are rotten. How many apples are not rotten?

38. One ticket for the ring-toss game costs 5¢. How much do 7 tickets cost?

39. Brenda waters 6 of her plants each day, in rotation. By the end of the week she has watered all her plants. How many plants does Brenda have?

Practice

Complete the table.

1. The Facts of 9

0	1	2	3	4	5	6	7	8	9
0	9								

Multiply.

2. $0 \times 9 =$ ___
3. $8 \times 9 =$ ___
4. $1 \times 8 =$ ___
5. $3 \times 8 =$ ___
6. $7 \times 8 =$ ___
7. $4 \times 9 =$ ___
8. $9 \times 8 =$ ___
9. $6 \times 9 =$ ___
10. $4 \times 8 =$ ___
11. $0 \times 8 =$ ___
12. $7 \times 9 =$ ___
13. $3 \times 9 =$ ___

14. $\begin{array}{r} 9 \\ \times\ 5 \\ \hline \end{array}$
15. $\begin{array}{r} 8 \\ \times\ 6 \\ \hline \end{array}$
16. $\begin{array}{r} 9 \\ \times\ 9 \\ \hline \end{array}$
17. $\begin{array}{r} 8 \\ \times\ 2 \\ \hline \end{array}$
18. $\begin{array}{r} 8 \\ \times\ 9 \\ \hline \end{array}$
19. $\begin{array}{r} 8 \\ \times\ 8 \\ \hline \end{array}$
20. $\begin{array}{r} 8 \\ \times\ 0 \\ \hline \end{array}$
21. $\begin{array}{r} 8 \\ \times\ 5 \\ \hline \end{array}$
22. $\begin{array}{r} 9 \\ \times\ 6 \\ \hline \end{array}$
23. $\begin{array}{r} 9 \\ \times\ 1 \\ \hline \end{array}$
24. $\begin{array}{r} 8 \\ \times\ 2 \\ \hline \end{array}$
25. $\begin{array}{r} 9 \\ \times\ 7 \\ \hline \end{array}$
26. $\begin{array}{r} 8 \\ \times\ 4 \\ \hline \end{array}$
27. $\begin{array}{r} 8 \\ \times\ 7 \\ \hline \end{array}$
28. $\begin{array}{r} 9 \\ \times\ 4 \\ \hline \end{array}$
29. $\begin{array}{r} 9 \\ \times\ 0 \\ \hline \end{array}$
30. $\begin{array}{r} 8 \\ \times\ 1 \\ \hline \end{array}$
31. $\begin{array}{r} 8 \\ \times\ 3 \\ \hline \end{array}$

Apply

Solve these problems.

32. Walter practiced his drums for 9 hours each week. How many hours did he practice in 6 weeks?

33. Mary bought 8 vases. Each vase cost \$8. How much did the vases cost Mary?

34. It costs \$8 for a ticket to see Bill's favorite musical group. He has saved \$5. How much more does he need for a ticket?

35. Paper plates for a picnic are packed in packages of 8 each. How many plates are there in 7 packages?

Practice

Solve for n. Use the properties to help you.

1. $3 \times (0 \times 5) = n$

   $n =$ ____

2. $5 \times (4 + 3) = n$

   $n =$ ____

3. $(6 \times 3) + (6 \times 7) = n$

   $n =$ ____

4. $7 \times 10 = n$

   $n =$ ____

5. $2 \times (5 \times 8) = n$

   $n =$ ____

6. $9 \times (0 \times 3) = n$

   $n =$ ____

7. $4 \times 10 = n$

   $n =$ ____

8. $8 \times (3 \times 1) = n$

   $n =$ ____

9. $(8 \times 5) \times 0 = n$

   $n =$ ____

10. $(1 \times 1) \times 1 = n$

    $n =$ ____

11. $10 \times 9 = n$

    $n =$ ____

12. $(3 \times 4) + (3 \times 6) = n$

    $n =$ ____

13. $7 \times (9 + 1) = n$

    $n =$ ____

14. $0 \times (8 \times 10) = n$

    $n =$ ____

15. $(4 \times 0) + (4 \times 0) = n$

    $n =$ ____

Add, subtract or multiply.

16. $6 + 9$

17. 8×7

18. $15 - 9$

19. $3 + 7$

20. 5×8

21. 6×6

22. 4×7

23. 9×6

24. $17 - 8$

25. $7 + 6$

26. 0×8

27. $5 + 8$

28. $13 - 6$

29. $9 - 0$

30. 7×1

31. 6×6

32. 4×3

33. $8 + 1$

34. $5 + 5$

35. 5×5

36. $5 - 5$

37. $14 - 9$

38. 8×6

39. $8 - 3$

40. 8×8

41. $8 - 8$

42. $8 + 8$

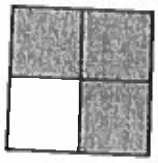
43. $16 - 7$

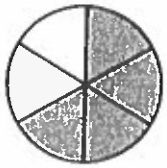
44. $3 + 9$

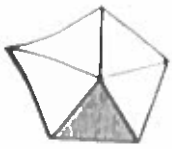
45. $9 - 6$

Practice

Write a fraction to show what part of each figure is red.

1. 

2. 

3. 

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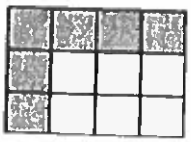
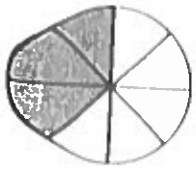
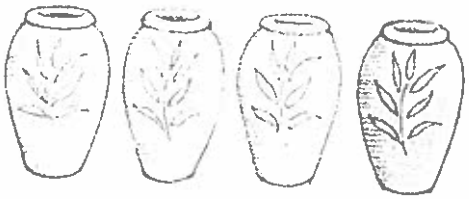
5. 

6. 

Write a fraction to show what part of each set is *not* red.

7.

8.

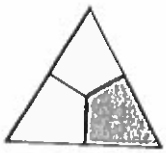
9. 

10.

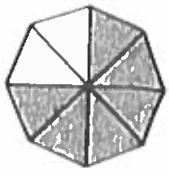
Apply

Solve these problems.

11. What part of the triangle is red?

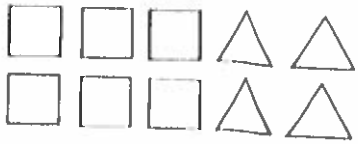


12. What part of the octagon is *not* red?



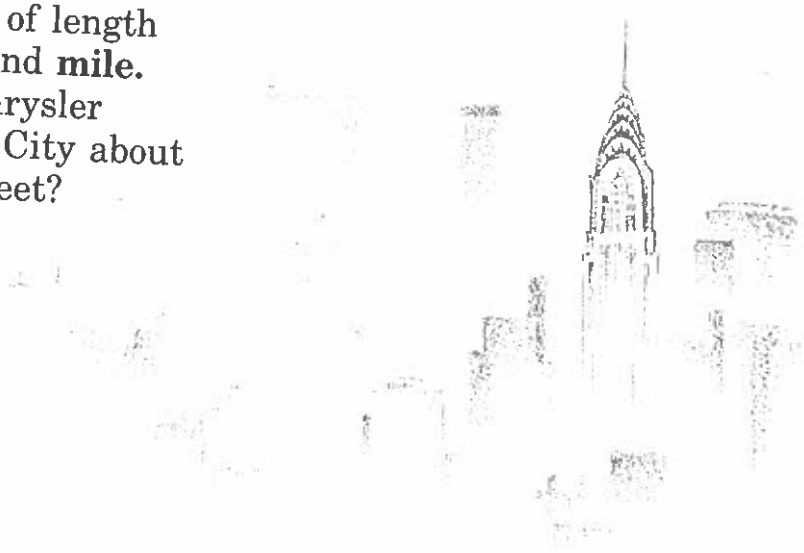
13. What part of the set of coins are pennies?

14. Write a fraction to show what part of the set of figures are squares.



Using Customary Units of Length

Some customary units of length are **inch, foot, yard** and **mile.** Is the height of the Chrysler Building in New York City about 1,000 inches or 1,000 feet?



We know:
This is an inch unit.

|—————|

1 foot = 12 inches

___ ft = ____ in.

1 yard = 3 feet

____ yd = ____ ft

____ yd = ____ in.

1 mile = 5,280 feet

____ mi = ____ ft

____ mi = ____ yd

The Chrysler Building is about 1,000 ____ tall.

Getting Started

Choose inches, feet, yards or miles to complete these sentences.

1. A jet flies about 6 _____ high.

2. A soccer field is 110 _____ long.

3. A hand is about 5 _____ wide.

4. The United States is about 3,000 _____ wide.

Complete the table.

5.

yards	1	2	3	4	5	6	7	8	9
inches	36	72							

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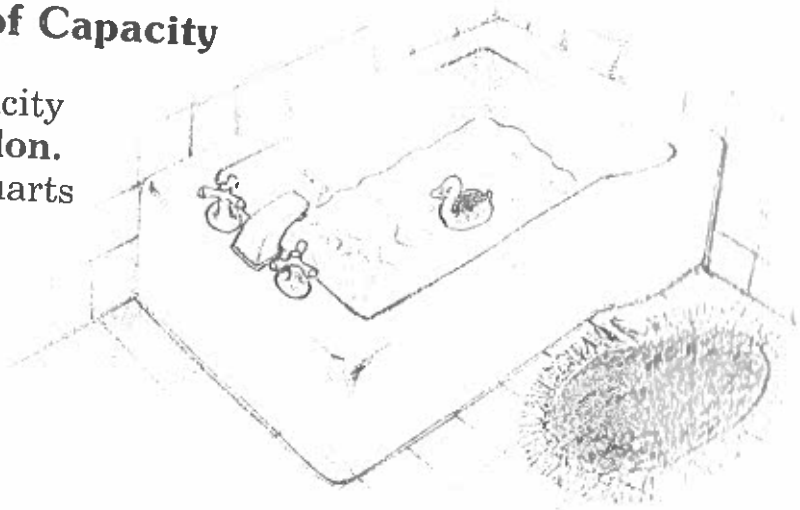
Using Customary Units of Capacity

Some customary units of capacity are **cup, pint, quart** and **gallon.** Does the tub hold about 12 quarts or 12 gallons of water?



We know:

1 pint = 2 cups

_____ pt = _____ c

1 quart = 2 pints

_____ qt = _____ pt

_____ qt = _____ c

1 gallon = 4 quarts

_____ gal = _____ qt

_____ gal = _____ pt

_____ gal = _____ c

The bathtub probably holds about

12 _____ of water.

Getting Started

Circle the better estimate of capacity.

1.

2 cups 2 quarts

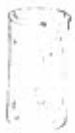
2.

6 pints 6 gallons

3.

2 quarts 2 gallons

4.



1 pint 1 quart

Complete the table.

5.

gallons	1	2	3	4	5	6	7	8	9	10
quarts	4									

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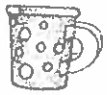
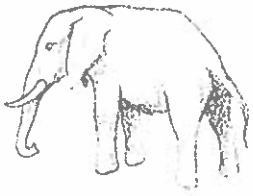
Practice

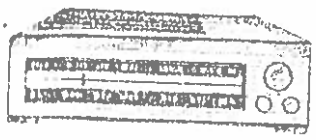
Would these objects be weighed in ounces, pounds or tons?

1. 

_____

2. 

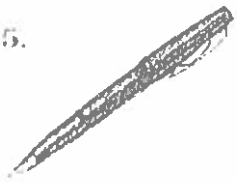
_____

3. 

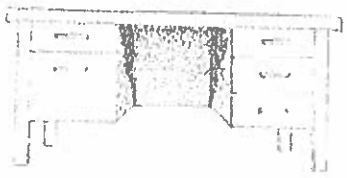
_____

4.

_____

5. 

_____

6. 

_____

Use the table on page 151 to help complete these measurements.

7. 53 oz = 3 lb _____ oz

8. 18 oz = _____ lb _____ oz

9. 4 lb 6 oz = _____ oz

10. 3 lb 4 oz = _____ oz

11. 85 oz = _____ lb _____ oz

12. 100 oz = _____ lb _____ oz

EXCURSION

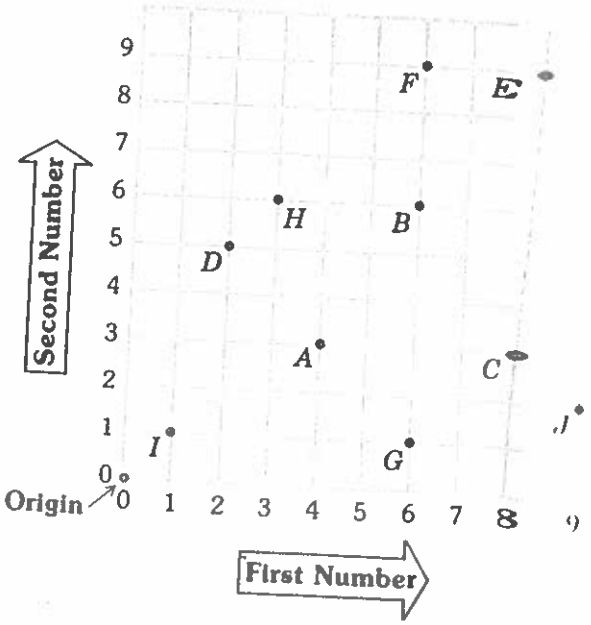
Arrange these weights in order from least to greatest. Then place each letter or number in that order, from left to right, on the blanks below.

C = 32 ounces
2 = 1 ton
U = 3 pounds
I = 1 pound, 8 ounces
R = 1,500 pounds
4 = 3,000 pounds

_____ _____ _____ _____ _____ SMART _____ ME.

Number Pairs

Number pairs can be used to give locations on a number grid. The pair (4, 3) shows the location of point *A*. What number pair locates point *D*?



We want to know what number pair identifies point *D*.

We know that point *A* is ___ units over and ___ units up.

To find a number pair, we start at the origin on the grid. The **first** number tells how far **over** to move. The **second** number tells how far **up** to move.

Point *D* is ___ over and ___ up.

The number pair (___, ___) locates point *D*.

We write: *D* (2, 5). We say: **Point *D* is the number pair two, five.**

Getting Started

Write the letter identified by each number pair.

1. ___ (6, 1)
2. ___ (9, 2)
3. (3, 6)
4. (6, 6)

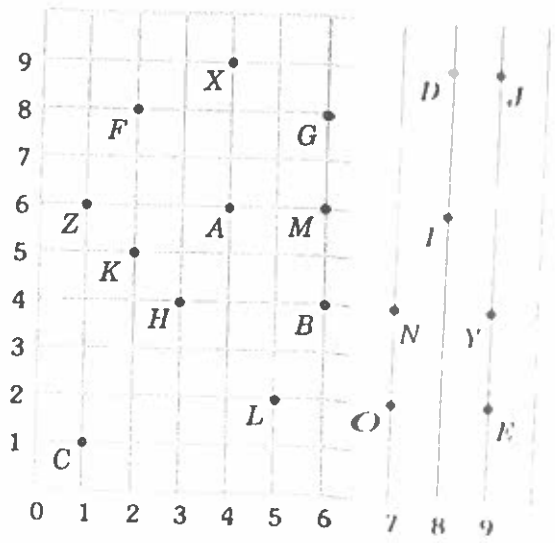
Write the number pair that identifies each letter.

5. *I*(___, ___)
6. *E*(___, ___)
7. *C*(___, ___)
8. *F*(___, ___)

Practice

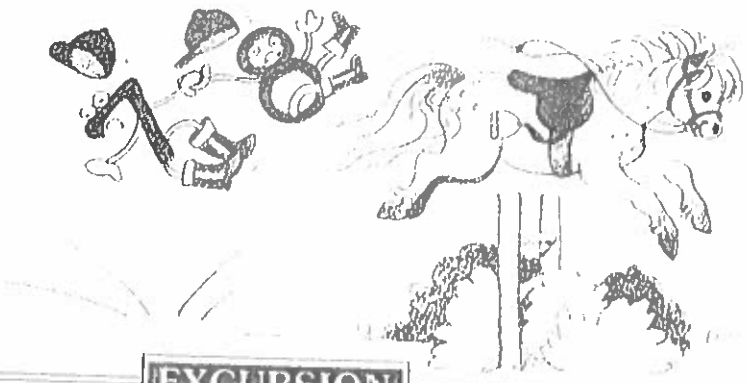
Write the letter identified by each number pair.

1. ___(5, 2)
2. ___(6, 4)
3. ___(2, 5)
4. ___(1, 6)
5. ___(4, 6)
6. ___(2, 8)
7. ___(7, 2)
8. ___(1, 1)
9. ___(7, 4)
10. ___(3, 4)



Write the number pair that identifies each letter.

11. M(___, ___)
12. X(___, ___)
13. I(___, ___)
14. O(___, ___)
15. E(___, ___)
16. G(___, ___)
17. J(___, ___)
18. Y(___, ___)



EXCURSION

Take the numbers from the first square, and rearrange them in the second square so that each column, row and diagonal has the same sum.

15	1	11
5	9	13
7	17	3