

Basics

How do I read and write Roman numerals?

A numeral is a symbol used to represent a number. (Our digits 0-9 are often called Arabic numerals.) Each letter used in Roman numerals stands for a different number:

Roman Numeral	Number
I	1
V	5
X	10
L	50
C	100
D	500
M	1000

A string of letters means that their values should be added together. For example, XXX = 10 + 10 + 10 = 30, and LXI = 50 + 10 + 1 = 61. If a smaller value is placed *before* a larger one, we subtract instead of adding. For instance, IV = 5 - 1 = 4.

You can use these rules to write a number in Roman numerals. Convert one digit at a time. Let's try 982:

$$\begin{aligned}
 &982 \\
 &= 900 + 80 + 2 \\
 &= \text{CM} + \text{LXXX} + \text{II} \\
 &= \text{CMLXXXII}.
 \end{aligned}$$

Roman Numerals Worksheet 28

Write the Roman numerals as normal numbers.

1a. XVI

1b. XVIII

1c. XLVIII

2a. XLI

2b. XLVI

2c. XXXV

3a. XL

3b. VIII

3c. V

4a. XII

4b. I

4c. XXXII

5a. VIII

5b. XXIV

5c. XXXVI

6a. XLVIII

6b. XXXIV

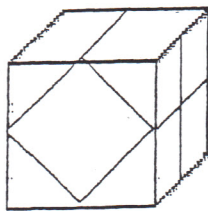
6c. XXV

January 2, 2013
Math Bowl – Roman numerals, random hat

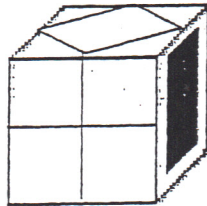
1. Answer in Roman numerals.

$$23 \times 32 =$$

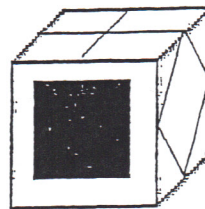
2. There is a different pattern on each side of the box. Which of these is not a view of the same box?



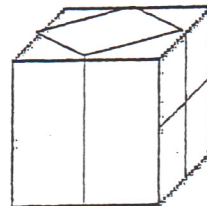
A



B



C



D

Complete the following statements.

- | | |
|----------------------------------|-----------------------------------|
| 1) 7 ft. = _____ in. | 2) 24 in. = _____ ft. |
| 3) 3 yd. = _____ in. | |
| 11) 40 ft. = _____ yd. _____ ft. | 12) 205 ft. = _____ yd. _____ ft. |
| 13) 2 ft. 6 in. = _____ in. | 14) 2 ft. 12 in. = _____ ft. |
| 15) 1 yd. 6 in. = _____ in. | 16) 2 ft. 24 in. = _____ ft. |



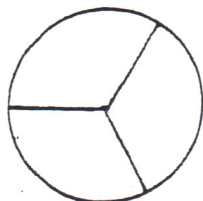
Green Bay West High Elementary Math Bowl
May 8, 2003

Name: _____

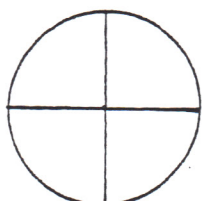
Team Event

1. Spongebob Square Pants, Tommy Pickles, Johnny Bravo, Buttercup, and Charizard are all sitting at a hexagonal table.
 - a. The empty chair is between Johnny and Buttercup.
 - b. Spongebob is scared of Buttercup so he sits as far away from her as possible.
 - c. Charizard, Spongebob, and Johnny are all sitting next to each other.
 - d. Tommy is directly across from Johnny.
 Who sits across from the empty chair?

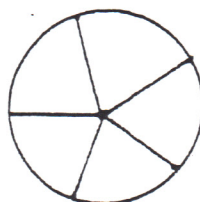
2. Bill has 3 pizzas. He cuts one into 3 equal slices, one into 4 equal slices, and one into 5 equal slices.



He eats 1 piece from
this pizza

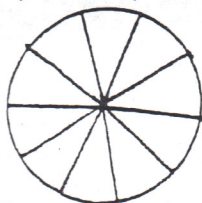


3 from this one

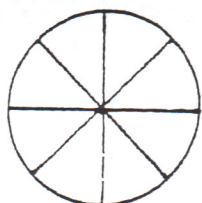


and 3 from this one

- Sally has 2 pizzas: She cuts one into 10 equal slices and one into 8 equal slices.



She eats 4 pieces
from this pizza



and 1 from this
pizza

Who has more pizza left?

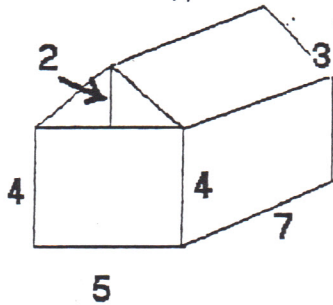
3. If $16 = 3 \times \square + 1$, then $7 \times \square + \square = ?$

4. Find the average of the numbers in the stem and leaf plot

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

5. Find the surface area of the toy house drawn below.
(surface area is the sum of the areas of each face)

Include bottom



6. Andy lives and works in a chocolate factory. On the first day he is paid \$1.00. Every day his pay doubles. He works for 10 days in a row. What is his total salary for those 10 days?
