



Power Up

Which Arabic number is represented by each of the following Roman numerals?

X

VIII

XIII

LIV

LVII

XCI

LXV

XXXIII

XLV

LXXXVI

LXIV

LXXXIX

Order the Roman numerals from smallest to largest.

Choose 5 numbers and their Roman numeral equivalents.

Mix them up and ask your partner to match the correct pairs.

Power Up

Write each number from 1 to 30 in Roman numerals.

How many numerals does each number contain?

For example, $14 = XIV$, which contains 3 Roman numerals.

Look for any patterns and discuss them with your partner.

Predict the number less than 100 that will have the greatest number of Roman numerals. Does your partner agree? How could you check?

I think 29 is XXVIII, which contains 7 numerals. I wonder if I am correct.



Power Up

Find the errors in each of these calculations.

$$\begin{array}{r} 4\ 1\ 3\ 5 \\ +\ 3\ 6\ 8\ 4 \\ \hline 7\ 8\ 2\ 9 \end{array}$$

$$\begin{array}{r} 9\ 3\ 0\ 7 \\ +\ 5\ 6\ 6 \\ \hline 9\ 8\ 7\ 5 \end{array}$$

$$\begin{array}{r} 1\ 9\ 8\ 3 \\ +\ 3\ 4\ 5\ 6 \\ \hline 5\ 5\ 2\ 9 \end{array}$$

$$\begin{array}{r} 6\ 4\ 1\ 7 \\ +\ 2\ 8\ 9\ 9 \\ \hline 9\ 3\ 0\ 6 \end{array}$$

$$\begin{array}{r} 6\ 8\ 4\ 2 \\ -\ 1\ 3\ 8\ 4 \\ \hline 5\ 4\ 6\ 2 \end{array}$$

$$\begin{array}{r} 7\ 1\ 3\ 9 \\ -\ 4\ 2\ 2\ 8 \\ \hline 3\ 1\ 1\ 1 \end{array}$$

$$\begin{array}{r} 9\ 7\ 3\ 1 \\ -\ 6\ 8\ 1\ 4 \\ \hline 2\ 9\ 2\ 7 \end{array}$$

$$\begin{array}{r} 8\ 8\ 2\ 2 \\ -\ 4\ 8\ 1\ 9 \\ \hline 4\ 0\ 1\ 3 \end{array}$$

Write down the corrected calculations.



I will use the inverse operations to check I am correct.



Power Up

Find the errors in each of these calculations.

$$\begin{array}{r} 426 \\ \times \quad 5 \\ \hline 2100 \end{array}$$

$$\begin{array}{r} 714 \\ \times \quad 6 \\ \hline 4274 \end{array}$$

$$\begin{array}{r} 664 \\ \times \quad 3 \\ \hline 1892 \end{array}$$

$$\begin{array}{r} 824 \\ \times \quad 4 \\ \hline 3286 \end{array}$$

$$\begin{array}{r} 526 \\ \times \quad 2 \\ \hline 1042 \end{array}$$

$$\begin{array}{r} 357 \\ \times \quad 8 \\ \hline 2106 \end{array}$$

$$\begin{array}{r} 795 \\ \times \quad 7 \\ \hline 5535 \end{array}$$

$$\begin{array}{r} 836 \\ \times \quad 12 \\ \hline 1662 \\ 836 \\ \hline 2498 \end{array}$$

Write down the corrected calculations.

Write some calculations that contain errors for your partner to find and correct.

Power Up

Choose 4 digits.

Arrange your 4 digits in different ways to make 10 different numbers where each has 1 decimal place.

Put your numbers in order from smallest to largest.

Choose 4 different digits.

As before, arrange your 4 digits in different ways to make 10 different numbers where each has 1 decimal place.

This time, put your numbers in order from largest to smallest.

I will use the place value of each digit to help me order my numbers.



Power Up

Choose 4 digits.

Arrange your 4 digits in different ways to make 10 different numbers where each has 2 decimal places.

Put your numbers in order from smallest to largest.

Choose 4 different digits.

As before, arrange your 4 digits in different ways to make 10 different numbers where each has 2 decimal places.

This time, put your numbers in order from largest to smallest.

I wonder whether looking at the place value of each digit will help me.



Power Up

Choose 3 digits.

Arrange your 3 digits in different ways to make 10 different numbers where each has 1 or 2 decimal places.

Round each of your numbers to the nearest whole number.

I am going to look at the tenths digit when I round to the nearest whole number.

