

Y4a

Place Value Riddle:

I am a four-digit number.

The sum of my tens and ones digits is 14.

My hundreds is a prime number.

Three of my digits are even.

My thousands digit is my lowest.

The total of all my digits is 23.



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Multiplying and Dividing:

A: 8×5 then divide the answer by 10

B: 4×9 then divide the answer by 4

C: 6×8 then divide the answer by 12

D: 7×6 then add the digits together



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Addition & Subtraction:

For each question, work out the answer with a written method then add all the answers together to get your code

A: $783 + 241$

B: $4072 - 1768$

C: $3287 + 744$

D: $6151 - 3541$



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Fractions of amounts:

If your answers have 2 digits, add them together to get your code

A: Find $\frac{1}{4}$ of 28

B: Find $\frac{2}{5}$ of 35

C: Find $\frac{2}{3}$ of 27

D: Find $\frac{5}{6}$ of 42



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Place Value Problems:

Start with 9258

Add 1000, Subtract 10, Add 100, Subtract 1,
Add 3, Subtract 200, Add 30, Subtract 2000,
Add 40, Add 5, Subtract 50, Add 3, Subtract
100, Add 20, Subtract 1000.



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Division:

The remainder in each will be your code

A: $43 \div 6$

B: $37 \div 5$

C: $62 \div 8$

D: $54 \div 7$



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Multiplying Large Numbers:

Work out the two calculations then add your
answers together to find the code

$$\begin{array}{r} 237 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 1674 \\ \times 5 \\ \hline \end{array}$$

