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**Place Value Riddle:**

I am a four-digit number.

I am a multiple of 5.

I have a 3-digit square number hidden inside me.

Three of my digits are odd.

My tens digit is my highest and thousands my lowest.

The total of all my digits is 21.



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**Percentages:**

*Add up all 4 answers to get your code*

A: 75% of 260

B: 40% of 645

C: 35% of 360

D: 67% of 1200



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**Order of Operations:**

*Answer each question correctly to get your code*

A:  $(18+7) \div (17 - 12)$

B:  $6^2 - (9-4)^2 - 3$

C:  $81 \div 9^2 \times (2+5)$

D:  $(78 + 48 \div 4)^2 \times (270 + 143 - 413)$



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**Fractions of amounts:**

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

A: Find  $\frac{5}{8}$  of 64

B: Find  $\frac{4}{7}$  of 56

C: Find  $\frac{2}{6}$  of 126

D: Find  $\frac{2}{9}$  of 324



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### Place Value Problems:

*Start with 9258*

Add 3000, Subtract 20, Add 200, Subtract 7,  
Add 3, Subtract 200, Add 30, Subtract 5000,  
Add 30, Add 5, Subtract 50, Add 3, Subtract  
500, Add 20, Subtract 900.



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### Division With Remainders:

*The remainder in each will be your code:*

A:  $4382 \div 6$

B:  $3791 \div 5$

C:  $6278 \div 15$

D:  $5064 \div 21$



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### Multiplying Large Numbers:

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

$$\begin{array}{r} 378 \\ \times 74 \\ \hline \end{array}$$

$$\begin{array}{r} 574 \\ \times 65 \\ \hline \end{array}$$

