Place Value Riddle:

I am a four-digit number.

I am a multiple of 5.

I have a 2 square numbers hidden inside me.

Three of my digits are even.

My thousands digit is my highest and tens my lowest.

The total of all my digits is 17.

Division with Remainders:

Your four remainders will give you the code

A: 7 x 8 then divide the answer by 6

B: 9 x 7 then divide the answer by 8

C: 12 x 6 then divide the answer by 9

D: 6 x 7 then divide the answer by 11

Addition & Subtraction:

Work out each question with a written method then add all the digits in each answer to get your code

A: 783 + 241

B: 4072 - 1768

C: 3287 + 744

D: 6151 - 3541

Fractions of amounts:

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

A: Find 5/8 of 64

B: Find 4/7 of 56

C: Find 2/6 of 126

D: Find 2/9 of 324

Y5a

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.

Y5a

Division With Remainders:

The remainder in each will be your code:

A: 4382 ÷ 6

B: 3791 ÷ 5

C: 6278 ÷ 7

D: 5067 ÷ 8

Y5a

Multiplying Large Numbers:

Work out the two calculations then subtract

your answers together to find the code

$$378 \times 74 \qquad 574 \times 65$$