

27/09/23

Year 5/6 Maths Homework

NC objective: add and subtract whole numbers with more than 4 digits

Solve the calculations below.

$$\begin{array}{r} 64352 \\ + \quad 8637 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 78216 \\ + \quad 3583 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 42170 \\ - \quad 1014 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 63132 \\ - \quad 3052 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 23406 \\ + \quad 7491 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 41637 \\ + \quad 53028 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 94897 \\ - \quad 1937 \\ \hline \\ \hline \end{array}$$

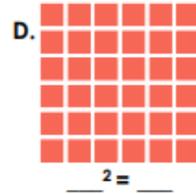
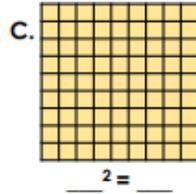
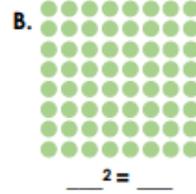
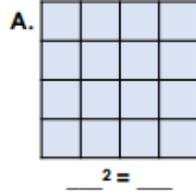
$$\begin{array}{r} 56208 \\ - \quad 23503 \\ \hline \\ \hline \end{array}$$

- Year 5

# Year 6

## Square and Cube Numbers

1. Complete the calculations below.



4. Hannah doesn't know her 14 times table, but she thinks she can still calculate  $14^2$ .

She says,



The answers to square numbers follow a pattern that I can use to calculate  $14^2$ .

Is she correct? What pattern is she following?

2. Circle the cube numbers.

728      216      345

512      124      63

1,729      1,111      729

5. Gemma has added five cube numbers together, but has spilt ink on two of them.

$9^3$     $6^3$        $4^3$    

The sum of her numbers is 1,477.  
What were her other numbers?

3. Match the numbers to their cube numbers.

$7^3$                       64

$8^3$                       343

$4^3$                       1,331

$11^3$                      512

6. I am thinking of a number.

- I cube my number,
- I add  $2^2$ ,
- I add 5,
- I subtract 100,
- I am left with a cube number.

What number did I start with?