

Year 6 Formal Methods of Calculation

- Addition
 - Add several numbers of increasing complexity
 - Add money, measures and numbers of different decimal points.
- Subtraction
 - Subtract with increasing large and more complex numbers
 - Subtract with decimal values
- Complex Numbers
 - As always, start by adding all the digits in the ones column. $4 + 6 = 10$. Put the 1 in the tens column. $200 + 900 = 1100$. to find the answer!
 - Move on to the hundreds column. $200 + 900 = 1100$. Add up all the hundreds to find the answer!
 - Add up all the thousands to find the answer!

Step 1

$$\begin{array}{r}
 4214 \\
 + 3936 \\
 \hline
 8150
 \end{array}$$

Step 2

$$\begin{array}{r}
 4,2 \text{ } 1 \text{ } 4 \\
 + 3,9 \text{ } 3 \text{ } 6 \\
 \hline
 8,1 \text{ } 5 \text{ } 0
 \end{array}$$

Step 3

$$\begin{array}{r}
 4,2 \text{ } 1 \text{ } 4 \\
 + 3,9 \text{ } 3 \text{ } 6 \\
 \hline
 8,1 \text{ } 5 \text{ } 0
 \end{array}$$

Step 4

$$\begin{array}{r}
 23 \text{ } . \text{ } 361 \\
 + 59 \text{ } . \text{ } 770 \\
 \hline
 93 \text{ } . \text{ } 511
 \end{array}$$

Final

Decimal Addition

Complex Numbers

$$\begin{array}{r}
 120,579 \\
 + 15,301 \\
 \hline
 136,080
 \end{array}$$

Final

Decimal Subtraction

- Start with the ones column and subtract the two numbers.
 - Moving on to the tens column, exchange again from the umn and subtract the two numbers.
 - In the hundreds column, exchange again from the umn and subtract the two numbers.
 - In the thousands column, exchange again from the umn and subtract the two numbers.
 - Finally, subtract in the tens column to get the final answer!
- Step 1**
- $$\begin{array}{r}
 1,436 \\
 - 1,436 \\
 \hline
 0
 \end{array}$$
- Step 2**
- $$\begin{array}{r}
 4,328 \\
 - 4,328 \\
 \hline
 0
 \end{array}$$
- Step 3**
- $$\begin{array}{r}
 8,92 \\
 - 8,92 \\
 \hline
 0
 \end{array}$$
- Final**
- Complex Numbers**

Complex Numbers

$$\begin{array}{r}
 60,750 \\
 - 89,949 \\
 \hline
 1,810,699
 \end{array}$$

Final

Decimal Subtraction

- Start with the ones column and subtract the two numbers.
- Moving on to the tens column, subtract 3 tens from 2 tens. Once you have exchanged, you now have 12 tens minus 4 hundred.
- In the hundreds column, subtract 3 tens since you cannot take away 1 thousand. Then you have 1 thousand minus 1 thousand so the hundreds column becomes 12 hundreds.
- Finally, subtract the tens column to get the final answer!

5

$$\begin{array}{r} 5 \\ \hline 7580 \end{array}$$

$$\begin{array}{r} 15 \\ \hline 7580 \end{array}$$

151

$$\begin{array}{r} 5 \\ \hline 7580 \end{array}$$

151

$$\begin{array}{r} 1516 \\ \hline 7580 \end{array}$$

Final

$$7580 \div 5 = 1516$$

$$\begin{array}{r} 1516 \\ \hline 7580 \end{array}$$

Step 2

$$\begin{array}{r} 15 \\ \hline 7580 \end{array}$$

$$\begin{array}{r} 15 \\ \hline 7580 \end{array}$$

$$\begin{array}{r} ? \\ \hline 7580 \end{array}$$

Step 1

7580 ÷ 5 =

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