Miss Robinson's Maths Group Homework

Week 3

Remember to set your work out clearly and write in pencil.

Please try all questions.

Please DO NOT print any of this homework. Write answers directly into your Homework Book and include any working out.

Arithmetic Warm Up

LI: to be able to multiply and divide integers by 10, 100 and 1000

This is revision from last year and I am sure that many of you remember these lessons.

Example: 125 x 100 = 12 500 *Each digit has moved 2 places to the left.*

2 794 ÷ 10 = 279·4 *Each digit has moved 1 place to the right.*

LI: to be able to multiply and divide integers by 10, 100 and 1000

1. 124 x 100 =
2. 79 x 1000 =
3. 4 521 ÷ 10 =
4. 2 705 x 100 =
5. 12 409 ÷ 100 =
6. 52 901 ÷ 1000 =
7. 532 x 100 =
8. 801 x 1000 =
9. 32 864 ÷ 100 =
10. 25 001 ÷ 10 =
11. 25·4 x 10 =
12. 13·65 ÷ 10 =
13. 8·7 x 100 =
14. 1·05 x 10 =
15. 91·4 ÷ 10 =
16. 3·9 ÷ 10 =

LI: to be able to multiply and divide integers by 10, 100 and 1000

15.5 ÷ 100 =

2,345 × 1,000 =

0.9 ÷ 100 =

2.12 ÷ 10 =

34.8 × 1,000 =

4.6 × 100 =

In class this week, we have been looking at the addition and subtraction of larger integers and also decimals.

Remember to line numbers up carefully thinking about the place value of each digit when using the column method.

Example: 12 568 114 + 416 103 =

$$\begin{array}{r} 12\,568\,114 \\ +\quad 416\,103 \\ \hline \\ \hline \end{array}$$

$12 \cdot 4 - 1 \cdot 36 =$

$$\begin{array}{r} 12 \cdot 40 \\ -\ 1 \cdot 36 \\ \hline \\ \hline \end{array}$$

LI: to be able to use formal column methods to add and subtract larger integers and decimals

1. 12 553 418 + 6 351 =
2. 13 526 447 – 6 203 741 =
3. 10 662 715 – 302 746 =
4. 25·68 + 1·2 + 6·411 =
5. 25·9 – 5·61 =
6. 1·51 – 0·8 =
7. 1·35 + 0·6 + 7·81 =
8. 1·9 – 0·81 =

LI: to be able to use formal column methods to add and subtract larger integers and decimals

Read the questions *carefully!*

1. A family note down how much they spend at the supermarket each week. At the end of the month they find that their bills were £164·61, £187·96, £102·73 and £195·66. How much do they spend in a month?
   What is the difference between the largest and smallest bill?

2. A school needed to raise £25 000 to buy some new computers. The following amounts of money had been collected at events throughout the year. £1 095, £3 648·65, £4 956·75 and £8 407·50. How much money had the school raised?
   How much money do they still need to raise?

In preparation for next week, find out the definitions of the following – with examples.

Prime numbers

Common factors

Factors

Square numbers

Cubed numbers

Have a lovely weekend!