

Second Level Maths Tasks

Week beginning 11.1.2021

Maths Homework Options

To keep your mental maths up to scratch, keep working through your maths options sheets.

Frequent practise stops skills getting rusty.

10-15 minutes during each maths session will help your number work.

Talk Number

What is the mystery number?

- It is a square number
- It is an odd number
- It is >20 , but <50
- 7 is a factor

Next mystery number

- It is an even number
- It is <79
- 5, 4 and 3 are all factors
- It is a multiple of 10

Algebra Introduction

We are going to focus on solving equations over the next few weeks.

To start us off, I've posted a Powerpoint explaining what an algebraic equation is, and how to solve simple ones.

Play it as a slide show and work through the examples. Then try the questions on page 3.

5-a-day

I've put some number problems on the next sheet, you can choose 5 each day to work on like we would in class.

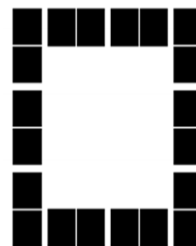
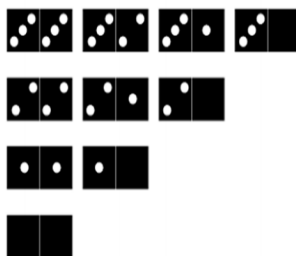
Remember to choose a level that is challenging enough for you.

Domino Square

You need these 10 dominoes.

The highest is 'double three'.

Use these dominoes to make a square so that each side has **eight dots**. (The dominoes do not have to match.)



Times Table Practise

Keep your tables sharp!

-Choose your rusty tables that need work. Write them out forwards and backwards.

-Bounce a ball, say the stations—forwards and backwards.

-Speed write them. Who is faster, you, mum or dad?

-Play Hit the Button on Top Marks

5-a-day

Choose a level of challenge, choose a row to do each day

Mild

- $6635 + 6635$ $8364 - 3566$ 5364×6 $884 \div 4$ $2 \times 7 > 3 \times 4$, true or false?
- $9273 + 5344$ $6442 - 1193$ 7366×8 $595 \div 7$ $49, 56, 63, \underline{\quad}, \underline{\quad}$
- $5592 + 2593$ $8263 - 6278$ 3673×5 $232 \div 8$ $6 \times 6 < 4 \times 9$, true or false?

Medium

- $374.36 + 837.8$ $736.37 - 483.44$ 73.88×7 $217.2 \div 4$ $2.8 \times 10 > 3 \times 9$, true or false?
- $882.9 + 778.22$ $789.3 - 388.34$ 6532.3×8 $137.4 \div 6$ $3.5, 4, 4.5, \underline{\quad}, \underline{\quad}$
- $8837.28 + 7364.46$ $6785.9 - 3745.55$ 993.8×6 $25.76 \div 8$ $6 \times 7 < 4 \times 9$, true or false?

Spicy

- $63.4 + 883.67 + 0.737$ $745 - 8.837$ 73×65 $9736 \div 4$ $9.25, 9.5, 9.75, \underline{\quad}, \underline{\quad}, \underline{\quad}$
- $823.3 + 938.4 + 39.83$ $276 - 37.736$ 27×33 $7364 \div 8$ $6, 4, 2, \underline{\quad}, \underline{\quad}, \underline{\quad}$
- $8837.66 + 12.73 + 37.223$ $334 - 3.883$ 44×26 $3764 \div 2$ $101.2, 101.4, 101.6, \underline{\quad}, \underline{\quad}$

What does the x equal in each of these equations?

1) $2x + 4 = 14$

2) $4x + 7 = 19$

3) $6x + 5 = 23$

4) $2x + 11 = 27$

5) $5x + 9 = 29$

6) $7x + 13 = 34$

7) $4x + 3 = 35$

8) $6x + 18 = 24$

9) $9x + 5 = 104$

10) $6x + 11 = 65$

11) $3x - 7 = 20$

12) $10x - 10 = 30$

13) $6x - 2 = 28$

14) $3x - 5 = 13$

15) $5x - 8 = 27$

16) $4x - 7 = 1$

17) $8x - 6 = 18$

18) $7x - 11 = 17$

19) $9x - 21 = 60$

20) $2x - 9 = 15$