MATHS – YEAR 5

Week 4

WHITE ROSE MATHS

Outline for this week:

https://whiterosemaths.com/homelearning/year-5/

White Rose have decided to recap key areas already taught rather than teach any new material to avoid misconceptions. I agree with this idea, as we can catch up next year on the areas that you have missed.

Summer Term - Week 3 (commencing 4th May) on the website.

Monday: Multiplying 2 digit numbers (area model)

Tuesday: Multiplying 4 digits by 2 digits

Wednesday: Divide with remainders

Thursday: Calculate perimeter

Friday: Friday challenge

MONDAY – MIXED ADDITION/SUBTRACTION AND MULTIPLICATION. REMEMBER TO LOOK CAREFULLY AT THE SYMBOL BEFORE ANSWERING!

1) 6745 x 25 =

2) 95263 + 7609 =

3) 8563 x 9 =

4) 12,045 – 8925 =

5) 3026 x 47 =

6) 65,278 – 23, 459 =

7) 76,543 + 32,0976 + 8945 =

8) 6542 x 19 =

Carried over from Thursday (VE preparation day). If Mr icke's class still did Maths on this day, go straight onto the White Rose.

THURSDAY – MIXED ADDITION/SUBTRACTION AND MULTIPLICATION. REMEMBER TO LOOK CAREFULLY AT THE SYMBOL BEFORE ANSWERING! ANSWERS

1) 6745 x 25 = 168,625

2) 95263 + 7609 = 102,872

3) 8563 x 9 = 77,067

4) 12,045 – 8925 = 3120

5) 3026 x 47 = 142,222

6) 65,278 – 23,459 = 41,819

7) 76,543 + 32,097 + 8945 = 117,585

8) 6542 x 19 = 124,298

TUESDAY – SQUARE NUMBERS

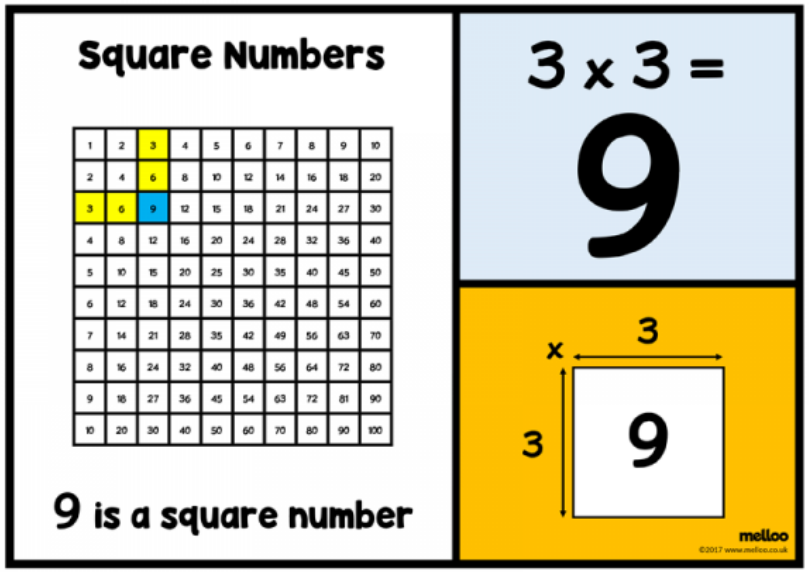
Remember – a square number is a number multiplied by itself.

EG: $8^2 = 16$
INCORRECT

Instead of $8^2 = 8x8 = 64$
CORRECT

MISCONCEPTION – some people multiply the number by 2 instead of multiplying it by itself!

The symbol for squared = 8^2



SQUARE NUMBERS – CONTINUED (COMPLETE THE TABLE)

^{2}	Calculation	Product
3^2	3 x 3	9
5^2	5 x 5	
2^2		4
10^2		
	6 x 6	36
7^2		49
1^2		
		64
		144
	9 x 9	

Do your own one here

SQUARE NUMBERS – CONTINUED (COMPLETE THE TABLE)

^{2}	Calculation	Product
3^2	3 x 3	9
5^2	5 x 5	25
2^2	2 x 2	4
10^2	10 x 10	100
6^2	6 x 6	36
7^2	49	49
1^2	1x1	1
8^2	8 x 8	64
12^2	12 x 12	144
9^2	9 x 9	81
11^2	11 x 11	121

Possible response

STARTER - WEDNESDAY

1) $3^2 + 5^2 =$

2) $14^2 + 1^2 =$

3) $4^2 \times 2^2 =$

4) $10^2 - 5^2 =$

5) $7^2 \times 3^2 =$

6) $12^2 \div 2 =$

7) $9^2 \times 2^2 =$

8) $18^2 - 8^2 =$

STARTER – WEDNESDAY (ANSWERS)

1) $3^2 + 5^2 = 34$

2) $14^2 + 1^2 = 197$

3) $4^2 \times 2^2 = 64$ (or 8^2)

4) $10^2 - 5^2 = 75$

5) $7^2 \times 3^2 = 441$

6) $12^2 \div 2 = 72$

7) $9^2 \times 2^2 = 324$

8) $18^2 - 8^2 = 260$

STARTER - THURSDAY

You will often be faced with questions such as:

$\square^2 - 59 = 5$

$\square^2 + 3^2 = 34$

$\square^2 + 4^2 = 116$

$1^2 = 1$
$2^2 = 4$
$3^2 = 9$
$4^2 = 16$
$5^2 = 25$
$6^2 = 36$
$7^2 = 49$
$8^2 = 64$
$9^2 = 81$
$10^2 = 100$
$11^2 = 121$
$12^2 = 144$

STEP 1: IF YOU ARE LOOKING FOR MISSING SQUARE NUMBERS, WRITE DOWN YOUR SQUARE NUMBERS AT THE SIDE OF YOUR PAGE!

STEP 2: USE YOUR INVERSE SKILLS TO HELP WORK OUT THE MISSING NUMBER. I KNOW THE MINUEND IN THE FIRST QUESTION IS THE LARGEST NUMBER SO I NEED TO ADD THE SUBTRAHEND AND DIFFERENCE TO WORK THIS OUT

$59 + 5 = 64$

STEP 3: MAKE SENSE OF THE CALCULATION WE NEED TO USE THE SQUARE SYMBOL. LOOKING AT MY LIST, 64 IS EQUAL TO 8^2

STEP 4 – CHECK THE WHOLE CALCULATION

STARTER - THURSDAY

$^2 + 3^2 = 34$

$^2 + 4^2 = 116$

Solve these, using the steps on the previous slide.

Write one for someone at home to solve. Make sure you know the answer before you give the question to them!

STARTER – THURSDAY (ANSWERS)

5 $^2 + 3^2 = 34$

10 $^2 + 4^2 = 116$