

MATHS — YEAR 5

Week 5

WHITE ROSE MATHS

Outline for this week:

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

Summer Term - Week 4 (commencing 11th May) on the website.


Monday: Area of rectangles

Tuesday: Equivalent fractions

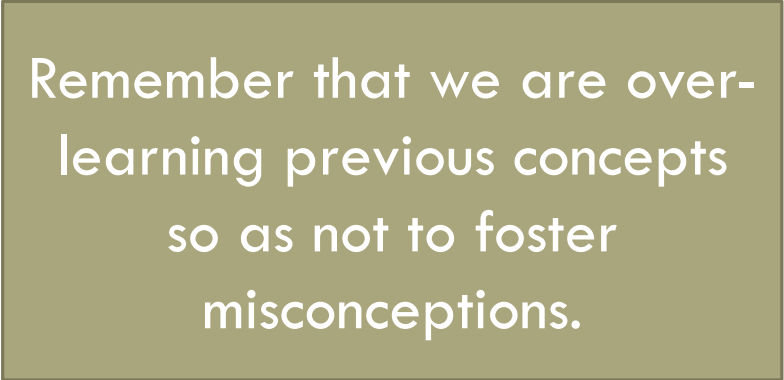
Wednesday: Converting improper fractions to mixed numbers

Thursday: Compare and order fractions less than one

Friday: Friday challenge



The Home Learning sheets are no longer free, however the school are premium members so I have posted the home learning sheets and answers on the website.



Remember that we are over-learning previous concepts so as not to foster misconceptions.

MONDAY – CUBE NUMBERS

Remember – a cube number is a number multiplied by itself, then by itself again

EG: $8^3 = 24$
INCORRECT

Instead of $8^3 =$
 $8 \times 8 \times 8 = 512$
CORRECT

$$\begin{aligned}8 \times 8 \times 8 &= \\8 \times 8 &= 64 \\64 \times 8 &= 512\end{aligned}$$


MISCONCEPTION – some people multiply the number by 3 instead of multiplying it by itself!

The symbol for squared = 8^2

MONDAY: CUBE NUMBERS — CONTINUED

(COMPLETE THE TABLE)

3	Calculation	Product
3^3	$3 \times 3 \times 3$	27
5^3	$5 \times 5 \times 5$	
2^3		8
10^3		
	$6 \times 6 \times 6$	216
7^3		343
1^3		
		512
		1728
	$9 \times 9 \times 9$	



Do your own
one here

MONDAY: CUBE NUMBERS — CONTINUED

(COMPLETE THE TABLE) ANSWERS

3	Calculation	Product
3^3	$3 \times 3 \times 3$	27
5^3	$5 \times 5 \times 5$	125
2^3	$2 \times 2 \times 2$	8
10^3	$10 \times 10 \times 10$	1000
6^3	$6 \times 6 \times 6$	216
7^3	$7 \times 7 \times 7$	343
1^3	$1 \times 1 \times 1$	1
8^3	$8 \times 8 \times 8$	512
12^3	$12 \times 12 \times 12$	1728
9^3	$9 \times 9 \times 9$	729
Eg. 11^3	$11 \times 11 \times 11$	1331

Do your own
one here

STARTER — TUESDAY: CUBE NUMBERS

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

5) $7^3 + 3^3 =$

2) $10^3 + 1^3 =$

6) $12^3 \div 2 =$

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

7) $9^3 \times 2^3 =$

4) $10^3 - 5^3 =$

8) $6^3 - 8^2 =$

STARTER — TUESDAY: CUBE NUMBERS (ANSWERS)

1) $3^3 + 2^3 = 35$

5) $7^3 + 3^3 = 370$

2) $10^3 + 1^3 = 1001$

6) $12^3 \div 2 = 864$

3) $4^3 \times 2^3 = 512$

7) $9^3 \times 2^3 = 19,683$

4) $10^3 - 5^3 = 875$

8) $6^3 - 8^2 = 152$

STARTER — WEDNESDAY: PRIME NUMBERS

<https://www.bbc.co.uk/bitesize/topics/zfq7hyc/articles/z2q26fr>

Watch the above clip and then test your knowledge using the quiz.

STARTER — THURSDAY: PRIME OR COMPOSITE?

Remember that a number that is not prime is called a composite number. Place the numbers into the correct place in the table.

3
9
1
2
15
27
21
99
11
26
8
100

PRIME	COMPOSITE

STARTER — THURSDAY: PRIME OR COMPOSITE?

ANSWERS

Remember that a number that is not prime is called a composite number. Place the numbers into the correct place in the table.

PRIME	COMPOSITE
3	9
2 (the only even prime number)	15
11	27
5	21
13	99
7	26
23	8
	100
	6

1 is neither prime or composite (it doesn't have exactly 2 factors)

3
9
1
2
15
27
21
99
11
26
8
5
100
13
7
6
23