

Mathematics. Wednesday 6th January 2021

Let's start with an arithmetic warm up and a reminder about some of the learning we did in 2020.

- 1) $6000 - 4736 =$ (remember the method that makes this easier!)
 - $5999 - 4735 = 1264$
- 2) $? = 14597 \times 6$
 - 87582
- 3) $? + 458 + 257 + 29$
 - 744
- 4) $27,015 \div 3 =$ (how do I know that 27,015 is a multiple of 3)
 - I know it's a multiple of 3 because its digital sum (15) is a multiple of 3
 - Quotient = 9,005
- 5) List all of the prime numbers between 0 and 20
 - $2, 3, 5, 7, 11, 13, 17, 19$
- 6) $5^3 = 10^2 + ?$
 - 5^2
- 7) Round 149,674 to the nearest ten, hundred, thousand, ten thousand and million
 - $149,670$
 - $149,700,$
 - $150,000$
 - $150,000$
 - 0
- 8) An even number x and even number = an **even** or an odd number? ($2 \times 2 = 4, 8 \times 6 = 48, 10 \times 4 = 40$)
- 9) An odd number x and odd number = an even or an **odd** number? ($3 \times 1 = 3, 5 \times 9 = 45, 11 \times 11 = 121$)
- 10) An even number x and odd number = an **even** or an odd number? ($2 \times 11 = 22, 6 \times 7 = 42, 4 \times 3 = 12$)
- 11) An odd number x and even number = an **even** or an odd number? ($11 \times 2 = 22, 7 \times 6 = 42, 3 \times 4 = 12$)
- 12) Prove your answers to questions 8 to 11 with 3 simple multiplication calculations for each.

Challenge

Is 2021 a primary or a composite number?

(Look at the maths warm up work to help you.) **email me your answer** to

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