



KNOWLEDGE ORGANISERS

Your knowledge organiser is designed to help you learn a range of knowledge and help you to be prepared for your lessons at Ivanhoe.

When using your Knowledge Organiser remember: Look / cover / write / check / correct

Question	FOLD V HERE	Answer
What is a square number?		It is what you get when you multiply a number by itself.
What are the first 5 square numbers?		$1 \times 1 = 1,$ $2 \times 2 = 4,$ $3 \times 3 = 9,$ $4 \times 4 = 16,$ $5 \times 5 = 25.$
What is a multiple?		A multiple of a number divides exactly by the number.
What are the first 5 multiples of 7?		$1 \times 7 = 7,$ $2 \times 7 = 14,$ $3 \times 7 = 21,$ $4 \times 7 = 28,$ $5 \times 7 = 35.$
What is a factor?		The factors of a number are all the numbers that divide into it exactly.
What are the factors of 24?		The factors of 24 are: 1, 2, 3, 4, 6, 8, 12, 24
What do we mean by place value?		It is the value of the digits within a number.
What is the value of the digit 3 in the number 3621?		Three thousand.
What is a digit?		It is the single whole number from 0 to 9.
What do we call the numbers to the left of zero on a number line?		Negative numbers.
Which number has the higher value, -2 or -3?		-2.
BIDMAS helps us to remember the order in which to do a calculation. What is $6 + 12 \div 3$?		Do the division first. $12 \div 3 = 4$ Now do the addition. $6 + 4 = 10$ The answer is 10.
Put brackets into this calculation to make it correct: $28 \div 7 - 3 = 7$		$28 \div (7 - 3) = 7$
What does HCF stand for?		Highest Common Factor
What does LCM stand for?		Lowest Common Multiple
A positive number divided by a negative number gives a negative answer. What is $72 \div -3$?		-24
What is the HCF of 24 and 40?		Factors of 24: 1, 2, 3, 4, 6, <u>8</u> , 12, 24 Factors of 40: 1, 2, 4, 5, <u>8</u> , 10, 20, 40 HCF (biggest number found in both lists) = 8
What is the LCM of 6 and 8?		Multiples of 6: 6, 12, 18, <u>24</u> , 30, 36, 42, 48 Multiples of 8: 8, 16, <u>24</u> , 32, 40, 48 LCM (smallest number found in both lists) = 24
What is an even number?		An even number can be divided exactly by 2. They always end in 0, 2, 4, 6 or 8.
What is an odd number?		An odd number cannot be divided exactly by 2. They always end in 1, 3, 5, 7 or 9.
What is a prime number?		A prime number is bigger than 1 and has 2 factors, 1 and itself.
What are the first 5 prime numbers?		2, 3, 5, 7, 11