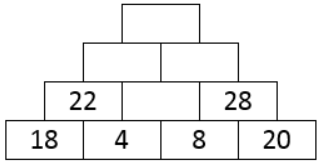
Natural Numbers

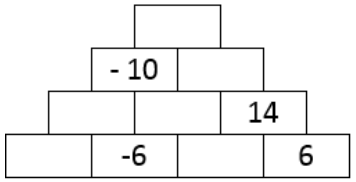
1. What are Natural Numbers?

Complete the pyramids, add the two bricks to get the brick above.

2.



3.



What is a Prime Number?

Circle all the prime numbers in the table below:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

What do we call a non-prime natural number?

Use the numbers and property to write the equation below

a) Commutative property of addition
9 and 5

b) Commutative property of multiplication
8 and 3

c) Associative property of addition
6, 4 and 9

d) Associative property of multiplication
10, 2 and 5

1. What does **'BIMDAS'** stand for?

2. Find the value of each of these:

a) 4 + 3 x 2 =

b) $2 + 6 \times 2^2 - 6 \times 3 =$

c) $\sqrt{16} + 3^3 - 2 =$

d) $\frac{\sqrt{81}+5}{4\ x\ 4\ -2} =$

1. Write out the first six multiples of 8.
2. List all the divisors of 24.
3. Write 48 as a product of prime numbers.
4. Write down the lowest common multiple of 7 , 8.
5. Write down the highest common factor of 18 and 24
6. Round 38 456 to three significant numbers.
7. Round 1864 to the nearest 10
8. Round 3890 to the nearest 100
9. Round 9740 to the nearest 1000

1. Write these numbers in order, starting with the smallest.

$\sqrt{81} - 5$

3^3

$\sqrt{25}$

0.83

-6

0

$\sqrt{(100\ -51)}$

_____

Natural Numbers

1. What are Natural Numbers?
Are odd and even positive integers. 1,2,3 etc.
Zero is not a natural number.
Complete the pyramids, add the two bricks to get the brick above.

2.

		74		
	34		40	
22		12		28
18	4		8	20

3.

	6		
- 10		16	
	-12	2	14
-6	-6	8	6

What is a Prime Number?
A prime number is a number with 2 factors only
Circle all the prime numbers in the table below:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

What do we call a non-prime natural number? Composite number

Use the numbers and property to write the equation below

a) Commutative property of addition
9 and 5
9 + 5 = 5 + 9
b) Commutative property of multiplication
8 and 3
8 x 3 = 3 x 8
c) Associative property of addition
6, 4 and 9
6 + (4 + 9) = (6 + 4) + 9
d) Associative property of multiplication
10, 2 and 5
10 x (2 x 5) = (10 x 2) x 5

1. What does **'BIMDAS'** stand for?
Brackets, Indices, Multiplication, Division, Addition, Subtraction
2. Find the value of each of these:
a) 4 + 3 x 2 = 10

b) $2 + 6 \times 2^2 - 6 \times 3 = 8$

c) $\sqrt{16} + 3^3 - 2 = 29$

d) $\frac{\sqrt{81}+5}{4 \times 4 - 2} = 1$

1. Write out the first six multiples of 8.
8, 16, 24, 32, 40, 48
2. List all the divisors of 24.
1, 2, 3, 4, 6, 8, 12, 24
3. Write 48 as a product of prime numbers.
4 and 12 , 6 and 8 , 3 and 16
4. Write down the lowest common multiple of 7 , 8.
7, 14, 21,28,35,42,49,56
8,16,24,32,40,48,56
56
5. Write down the highest common factor of 18 and 24
18: 18, 9, 6, 3, 2, 1.
24: 24, 12, 8, 6, 4, 3, 2, 1.
6
6. Round 38 456 to three significant numbers. = 38 500
7. Round 1864 to the nearest 10 = 1860
8. Round 3890 to the nearest 100 = 3900
9. Round 9740 to the nearest 1000 = 10,000

1. Write these numbers in order, starting with the smallest.

$\sqrt{81} - 5 = 4$
$3^3 = 27$
$\sqrt{25} = 5$
0.83
-6
0
$\sqrt{(100 - 51)} = 7$

From Smallest to Biggest:

-6 , 0, 0.83, $\sqrt{81} - 5$, $\sqrt{25}$, $\sqrt{(100 - 51)}$, 3^3