Maths Homework

28.1.19

This page will help you answer the questions on the back ☺

Fact 1: a prime number has only two factors: itself and 1 e.g.

5

1 5

Fact 2: a composite number has more than two factors e.g.

10

1 10

2 5

Fact 3: 0 and 1 are neither prime nor composite numbers

Multiplication grid (12 times-table)

×	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

This multiplication grid will help you remember square numbers ☺

Remember square numbers always make a square!!

e.g $2^2 = 2 \times 2 = 4$

$5^2 = 5 \times 5 = 25$

True or false?

Write T or F by the side of each statement according to whether it is **true** or **false**.

1. 12 is a square number ☐
2. 13 is a prime number ☐
3. 21 is a composite number (not prime) ☐
4. Prime numbers have exactly two factors ☐
5. 16 has eight factors ☐
6. 20 has six factors ☐
7. 36 is a multiple of 3, 4, 6, 8 and 12 ☐
8. 33 is a prime number ☐
9. 4^2 is 16 ☐
10. 5^2 is 10 ☐

11) $5^2 - 2^2 =$

12) $1^2 + 4^2 =$

13) $7^2 - 3^2 =$

14) $10^2 + 9^2 =$

Find the square root of:

(what 2 numbers can you multiply together to get the total? $\sqrt{9} = 3 \times 3 = 3^2$)

15) $\sqrt{25} =$

16) $\sqrt{16} =$

17) $\sqrt{81} =$

18) $\sqrt{100} =$