LO: To identify factors, multiples, primes, squares and cubed numbers

To solve BODMAS problems

Let's revise the key terms:

Factor: Numbers that go into that number. The factors of 12 are: 1,2,3,4,6,12

Multiples: The times tables of that number. The multiples of 12 are: 12,24,36,48..... they are limitless.

Prime: Numbers that are only have two factors- themselves and 1. 12 in not prime... but 11 is!

Square: When a number is multiplied by itself e.g. 12 square (which is identified by a small hovering 2) is 12x12=144

Cubed: When a number is multiplied by itself three times e.g. 12 cubed is 12x12x12=1728 (it is shown by a hovering 3)

TASK 1: Answer each of the questions about the following numbers

.1Write down all the factors of that number

- .2Write down the first 5 multiples of that number
- .3 Is the number prime?
- .4 What is _____²
- .5 What is _____3

How to set out in your book:



TASK 1: ANSWERS



TASK 2: Write down all of the numbers between 1-100 that are prime.

TASK 2: ANSWERS

2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79 83 89 97

TASK 3: Fill in the blanks



TASK 3: ANSWERS



TASK 4: Common factors and multiples.

Write down all the common factors of these pairs of numbers:

Write down all the common multiples up to 100 of these pairs of number

3/12 5/9 4/10

TASK 4: Common factors and multiples.

- Write down all the common factors of these pairs of numbers:
- 64/24= 1,2,4,8
- 36/54=1,2,3,6,9
- 20/40=1,2,4,5,10,20
- Write down all the common multiples up to 100 of these pairs of number
- 3/12=12,24,36,48,60,72,84,96
- 5/9= 45,90
- 4/10= 20,40,60,80,100

OK Let's recap on BODMAS



BODMAS is used when there is more than one operation in a calculation.

Watch the video below to recap on how to solve BODMAS problems:

https://www.youtube.com/watch?v= 8EMEOc7lil

TASK 5: Write out the calculation and answer in your book.

1. 8 x (5 + 4) =	2 . 7 x (4 + 8) =	3. 6 x (6+ 4) =
4. 7 + 28 ÷ 4 =	5. 6 + 72 ÷ 9 =	6. 4 + 28 ÷ 7 =
7. (3 + 8) x 5 =	8. (6 + 4) x 8 =	9 . (9 + 2) x 7 =
10. 32 ÷ (4 + 4) =	11. 18 ÷ (7 + 2) =	REMEMBER
12. 54 ÷ (4 + 5) =	13. 48 ÷ (14 – 8) =	TO USE BODMAS!

TASK 5: ANSWERS

- 1) 72
- 2) 84
- 3) 60
- 4) 14
- 5) 14
- 6) 8
- 7) 55
- 8) 80
- 9) 77 10\4
- 10)4 11)2 12)6

13)8

TASK 6: Now try these really challenging BODMAS question. Write out the calculation and answer in your book. Show your method clearly.

a) 16+3×(7-5)-4= b) $8^2 + 103 - (9 \times 12) =$ c) $(14+21) \times 2^2 - 40 \div 8 =$

TASK 6: ANSWERS