

Good Morning... Do Now Task

1. Write down all of the prime numbers below 20
2. $5^2 =$
3. $6^2 =$
4. $3^3 =$

Extension

2 is a very special prime number. Can you explain why?

(use the following words in your answer: multiples, divisible, even)

Form Session 3.3

What will I learn today?

How to carry out calculations in the correct order, using BIDMAS.

Why will I learn it?

To help us get calculations correct!

Key vocabulary for today's lesson:

Indices



St Anne's
Church of England Academy

The best for everyone
The best from everyone
We have faith in our future

BIDMAS

Order of Operations

B	Brackets	$10 \times (4 + 2) = 10 \times 6 = 60$
I	Indices	$5 + 2^2 = 5 + 4 = 9$
D	Division	$10 + 6 \div 2 = 10 + 3 = 13$
M	Multiplication	$10 - 4 \times 2 = 10 - 8 = 2$
A	Addition	$10 \times 4 + 7 = 40 + 7 = 47$
S	Subtraction	$10 \div 2 - 3 = 5 - 3 = 2$



ink saving

Eco

BIDMAS

B
I
D
M
A
S

$$3 \times 12 \div 2$$

BIDMAS

B
I
D
M
A
S

$$6 \times 3 \div 2$$

BIDMAS

B
I
D
M
A
S

$$6 \times 3 \div 2$$

BIDMAS

B
I
D
M
A
S

$$30 \div 5 \times 3$$

BIDMAS

$$3 + 12 - 2$$

B
I
D
M
A
S

BIDMAS

B
I
D
M
A
S

$$8 + 4 - 7$$

BIDMAS - on your whiteboards

1. $6 - 4 + 3$

2. $9 \times 4 \div 2$

3. $7 + 3 - 1$

4. $12 \div 3 \times 2$

5. $125 \div 5 \times 5$

Extension

1. $37 \div 2 \times 5$

BIDMAS

B
I
D
M
A
S

$$20 - 2 \times 8$$

BIDMAS

B
I
D
M
A
S

$$16 - 5 \times 2$$

BIDMAS

B
I
D
M
A
S

$$15 - 15 \div 5$$

BIDMAS

B
I
D
M
A
S

$$2 + 3^2 \times 4$$

BIDMAS

$$6 \div (5 - 3)$$

B
I
D
M
A
S

BIDMAS - You Do

Question 1: Work out

(a) $7 + 2 \times 3$

(b) $9 + 4 \times 2$

(c) $10 + 2 \times 2$

(d) $20 - 5 \times 2$

(e) $8 - 2 \times 3$

(f) $100 - 40 \times 2$

(g) $5 + 5 \times 5$

(h) $7 \times 6 - 4$

(i) $9 + 3 - 2$

(j) $21 - 17 + 4$

(k) $20 - 5 + 6$

(q) $(7 + 7) \div 2$

(r) $35 - (9 + 3)$

(s) $40 \times (2 + 3)$

(t) $60 \div (1 + 5)$

(u) $15 \div (3 + 2)$

(v) $9 \times (7 + 4)$

(w) $90 \div (52 - 7)$

(x) $(8 + 9) \times 3$

(a) $5 - 2^2$

(b) $7 + 3^2$

(c) $9^2 + 1$

(d) $6^2 - 5^2$

(e) $(7 - 2)^2$

(f) $(4 + 3)^2$

(g) $(1 + 2)^3$

(h) $(2 + 8)^3$

(i) $10 - \sqrt{16}$

(j) $\sqrt{(2 + 14)}$

(k) $\sqrt{4 + 3^2}$

(l) $2 \times 5 - \sqrt{4}$

BIDMAS - Mark your answers!

Question 1:

(a) 13	(b) 17	(c) 14	(d) 20	(e) 10	(f) 2
(g) 18	(h) 20	(i) 13	(j) 30	(k) 6	(l) 38

(s) 200	(t) 10	(u) 3	(v) 99	(q) 7	(r) 23
				(w) 2	(x) 51

(a) 1	(b) 16	(c) 82	(d) 11	(e) 25	(f) 49
(g) 27	(h) 1000	(i) 6	(j) 4	(k) 11	(l) 8