GRAYS TUITION CENTRE – Online Tutoring

WEEK: 19

Week Beginning: (27/07/2020)

Subject: MATHS

Year: 5 (11+)

Lesson Objective:

- Understand what BIDMAS is and how to use BIDMAS to answer exam style questions
- Be able to use BIDMAS to answer exam style questions independently

Class Worksheets

- The tutor shall work through the examples and explain what BIDMAS is and how to use BIDMAS to solve problems

Homework

- The homework will be similar to the class work to make sure the students have a good understanding of the class work; the questions vary from easy to hard so that the students can challenge themselves and see the differences in exam questions

Additional Notes

- All lesson worksheets and **homework for next week (due Week 20)** worksheets can be found below
- Week 18 homework will be marked in lesson hence make sure it is fully complete

Please print 2 a page or open this document during the lesson to save paper!

What does BIDMAS stand for?

B _____

I _____

D _____

M _____

A _____

S _____

To use this on a calculation such as this:

2 + 3 x 5 – 7 + (3 x 2)

Do the brackets first:

2 + 3 x 5 – 7 + **6**

Then do the multiplication:

2 + **15** – 7 + **6**

Now do the addition and subtraction:

2 + **8** + 6

10 + 6

16

$4 \times (2 + 5 \times 2)$

$7 + (3 \times 2) - (8 \div 2)$

$(5 - 4) \div 2 + (7 \times 2)$

$(4 \times 2) - (6 \div 3) + (3 \times 2)$

$(6 \times 8) - 18 \div (2 + 4)$

$5 + (2 \times 10 - 5) - 6$

$(5 + 3) \times 2 + 10 \div (8 - 3)$

$\sqrt{25} + 2 \times 3$

$\sqrt{16} \times \sqrt{100} + (102 \div 10)$

$\sqrt[3]{8} + \sqrt{36} \div 22$

What is the value of ;

1. (4 x 2) + (3 x 3) =
2. (4 x 4) + (5 x 5) =
3. (6 x 6) – (4 x 4) =
4. (9 x 9) – (8 x 8) =
5. 18 – (4 x 2) =
6. 4 x (4 – 2) =
7. 18 – (9 x 4) + 32 =
8. (12 x 12) – (11 x 12) =
9. 30 – (5 x 4) =
10. 67 – (9 x 5) =
11. (8 + 6) x 4 =
12. 8 x 7 – 3 =
13. (4 x 9) – (4 x 8) =
14. 56 – (5 x 9) =
15. 72 – (8 x 7) + 9 =
16. (9 x 8) + (9 x 8) =

Time yourself on these questions to see how long it takes.
Remember to work out the answer in the right order (BODMAS)

1. 9 x (4 + 4) =

2. 8 x (3 + 8) =

3. 5 x (6+ 3) =

4. 8 + 24 ÷ 4 =

5. 7 + 63 ÷ 9 =

6. 5 + 21 ÷ 7 =

7. (4 + 7) x 3 =

8. (5 + 3) x 6 =

9. (7 + 2) x 8 =

10. 12 ÷ (2 + 4) =

11. 24 ÷ (7 + 5) =

12. 45 ÷ (4 + 5) =

13. 63 ÷ (17 – 8) =

14. 4 + 5 x 9 =

15. 8 + 8 x 8 =

16. 7 + 7 x 7 =

17. 6 + 6 x 6 =

18. 9 + 9 x 9 =

19. 81 – 4 x 4 =

20. (18 + 15) – (13 + 12) =

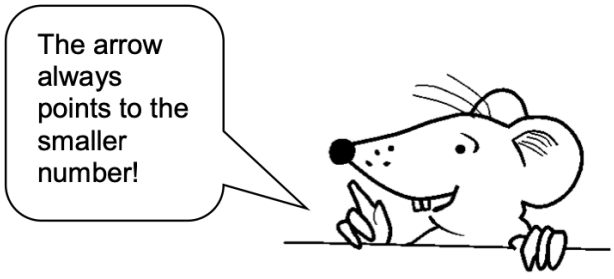
How long did you take?

Did you get them all correct?

Do you remember what these signs mean? < and >

< means is less than

> means is more than



Put the correct sign into the statements below. You will have to work out the sums first, remembering BODMAS

1. 6 + 4 x 3 ☐ 3 x 4 + 6

2. 8 x 8 – 20 ☐ 6 x 6 + 20

3. 2 x 32 + 46 ☐ 62 + 4 x 9

4. 8 + 8 x 6 ☐ 6 + 8 x 8

5. 120 – 6 x 7 ☐ 6 x 7 + 40

6. 140 + 4 x 7 ☐ 32 x 5 + 5

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