Order of operations

Name: _____ Date: _____

Remember: Brackets first, then **× and ÷** from left to right, then **+ and −** from left to right. We have a fixed order **so that everyone gets the same answer**.

1. 5 + 3 × 4 =

Answer: _____

2. 20 − 12 ÷ 4 =

Answer: _____

3. (5 + 3) × 4 =

Answer: _____

4. 36 ÷ (2 + 4) =

Answer: _____

5. 8 × 5 − 6 × 3 =

Answer: _____

6. 100 − (26 + 14) ÷ 8 =

Answer: _____

7. 7 + 18 ÷ 3 × 2 =

Answer: _____

8. (12 − 4) × (3 + 7) =

Answer: _____

9. 45 ÷ 9 + 6 × (8 − 5) =

Answer: _____

10. Put in brackets to make it true: 6 + 4 × 5 = 50

Answer: _____

11. Put in brackets to make it true: 24 ÷ 4 + 2 = 4

Answer: _____

12. True or false? 10 − 4 − 2 = 8. Explain.

Answer: _____

13. Thabo buys 3 books at R45 each and a pen for R12. Write a number sentence and calculate how much he pays.

Answer: _____

14. 2 × (15 + 5) − 18 ÷ 3 =

Answer: _____

15. Which is bigger: 50 − 5 × 6 or (50 − 5) × 6? By how much?

Answer: _____

© MeerkatSkool

I got _____ **out of 15** ⭐⭐⭐

Memorandum · Order of operations

1. **17**
3 × 4 = 12; 5 + 12 = 17

2. **17**
12 ÷ 4 = 3; 20 − 3 = 17

3. **32**
5 + 3 = 8; 8 × 4 = 32

4. **6**
2 + 4 = 6; 36 ÷ 6 = 6

5. **22**
40 − 18 = 22

6. **95**
26 + 14 = 40; 40 ÷ 8 = 5; 100 − 5 = 95

7. **19**
18 ÷ 3 = 6; 6 × 2 = 12; 7 + 12 = 19

8. **80**
8 × 10 = 80

9. **23**
8 − 5 = 3; 45 ÷ 9 = 5; 6 × 3 = 18; 5 + 18 = 23

10. **(6 + 4) × 5 = 50**
10 × 5 = 50

11. **24 ÷ (4 + 2) = 4**
24 ÷ 6 = 4

12. **False: from left to right 10 − 4 = 6 and 6 − 2 = 4**
only − and +: work from left to right

13. **3 × 45 + 12 = 147; he pays R147**
3 × 45 = 135; 135 + 12 = 147

14. **34**
15 + 5 = 20; 2 × 20 = 40; 18 ÷ 3 = 6; 40 − 6 = 34

15. **(50 − 5) × 6 = 270 is bigger, by 250**
50 − 30 = 20; 45 × 6 = 270; 270 − 20 = 250

© MeerkatSkool