Order of Operations (BIDMAS)

Practice worksheet · KS3

Name: _____ Date: _____

1. $2 + 3 \times 4$

2. $5 + 4 \times 2$

3. $20 - 12 \div 4$

4. $7 \times 3 - 5$

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

6. $18 \div (5 + 1)$

7. $3 \times (10 - 6)$

8. $2 + 3^2$

9. 2×3^2

10. $(2 + 3)^2$

11. $10 - 4 + 2$

12. $12 \div 4 \times 3$

13. $20 - 12 \div 4 + 3^2$

14. $6 \times (10 - 7) + 2^2$

15. A drink is £2 and a burger is £4. Write and work out the total for 1 drink and 3 burgers: $2 + 3 \times 4$

16. ★ stretch Each party bag has 4 sweets and 2 chocolates. Write and work out the total treats in 5 bags: $(4 + 2) \times 5$

Answers

Order of operations

1. multiply first: $2 + 12 = 14$
2. multiply first: $5 + 8 = 13$
3. divide first: $20 - 3 = 17$
4. multiply first: $21 - 5 = 16$
5. brackets first: $6 \times 5 = 30$
6. brackets first: $18 \div 6 = 3$
7. brackets first: $3 \times 4 = 12$
8. indices first: $2 + 9 = 11$
9. indices first: $2 \times 9 = 18$
10. brackets first: $5^2 = 25$
11. left to right: $6 + 2 = 8$
12. left to right: $3 \times 3 = 9$
13. $3^2=9$, ÷ first: $20 - 3 + 9 = 26$
14. brackets, index: $6 \times 3 + 4 = 22$
15. multiply first: $2 + 12 = 14$
16. brackets first: $6 \times 5 = 30$