

Name: _____

Date: _____

Grade 7 Factors & Exponents Study Sheet

DEFINITIONS

1. factor - _____

2. multiple - _____

3. common factor - _____

4. common multiple - _____

5. prime number - _____

6. composite number - _____

7. face value - _____

8. place value - _____

9. total value - _____

10. standard form - _____

11. expanded form - _____

12. divisibility rule - _____

13. power - _____

14. base - _____

15. exponent - _____

16. square root - _____

17. perfect squares - _____

18. GCF - _____

19. LCM - _____

20. BEDMAS - _____

TOPICS

1. PLACE VALUE & ORDERING (sheet)
 - should know place value chart;
 - should know place, face, and total value;
 - should know how to write a number in standard & expanded form;
 - should know how to write numbers as words and vice versa;
 - should know spelling of numbers

2. USING MULTIPLES (pp. 4 - 7)
 - should know how to find multiples of a number;
 - should know how to find the LCM

3. FACTORING (pp. 8 - 13)
 - should know how to find factors of a number (factor rainbow and drawing rectangles);
 - should know how to find the GCF

4. EXPLORING DIVISIBILITY (sheet, pp. 14 - 15)
 - should know all the divisibility rules;

5. POWERS (pp. 16 - 18)
 - know the parts of a power;
 - know how to write a power as repeated multiplication;
 - know how to calculate powers with and without a calculator

6. SQUARES & SQUARE ROOTS (sheet, pp. 22 - 25)
 - know how to find square roots of perfect squares (should know from 2 - 12)
 - know the squares from 2 - 12

7. ORDER OF OPERATIONS (pp. 34 - 37)
 - know BEDMAS