

11 Plus Foundations 6 Answers

Factors

- 1) 1, 2, 11, 22
- 2) 1, 2, 3, 4, 6, 9, 12, 18, 36
- 3) 1, 2, 13, 26
- 4) 1, 2, 23, 46
- 5) 1, 7, 49

Prime Factors

- 1) 2, 2, 2, 2, 3
- 2) 2, 2, 2, 5
- 3) 2, 5
- 4) 2, 17
- 5) 7, 7

Monsters at Night

- 1) a
- 2) d
- 3) a
- 4) d
- 5) c

Magic Finger

- 1) growing
- 2) passion
- 3) activates
- 4) consequences
- 5) admonishes
- 6) entire
- 7) developed
- 8) promptly
- 9) reversal
- 10) plead
- 11) children
- 12) swearing
- 13) fully
- 14) again

Prime Numbers

- 1: No
- 2, 1: Yes
- 3, 1: Yes
- 4, 2, 1: No
- 5, 1: Yes
- 6, 3, 2, 1: No
- 8, 4, 2, 1: No
- 9, 3, 1: No
- 10, 5, 2, 1: No
- 11, 1: Yes
- 12, 6, 2, 1, 3, 4: No
- 13, 1: Yes

Factor Tree

- 1) 2, 21, 7, 3: $2 \times 7 \times 3$
- 2) 2, 10, 5, 2: $2 \times 2 \times 5$
- 3) 11, 6, 2, 3: $2 \times 3 \times 11$

Multiples

- 1) 3, 6, 9, 12, 15
- 2) 7, 14, 21, 28, 35
- 3) 8, 16, 24, 32, 40
- 4) 10, 20, 30, 40, 50

LCM

- 1) 20
- 2) 6
- 3) 12
- 4) 24
- 5) 30

Leading a Lead Role

- 1) b
- 2) d
- 3) a
- 4) a
- 5) d
- 6) a

Divisibility Check

2: last number is even; 3: sum of digits divisible by 3; 4: last two digits is a number divisible by 4; 5: last digit is 5 or 0; 6: even and sum of digits divisible by 3; 7: double last digit and subtract it from remaining digits to see if result is divisible by 7; 9: sum of digits divisible by 9.