Multiples, factors and properties

Name: _____ **Date:** _____

Remember: Multiples come from the times table. Factors divide exactly. Swap and group work with + and ×. Break big numbers up.

1. Write the first six multiples of 7.

Answer: _____

2. Circle the multiples of 4: 12 18 20 26 32 36

Answer: _____

3. Write all the factors of 18.

Answer: _____

4. Write all the factors of 20.

Answer: _____

5. Is 15 a factor or a multiple of 5? Explain.

Answer: _____

6. Which number is a prime number? 9 11 15 21

Answer: _____

7. Which number smaller than 20 is a multiple of both 3 and 4?

Answer: _____

8. Fill in: 6 × 9 = 9 × □

Answer: _____

9. Calculate the easy way: 37 + 45 + 63

Answer: _____

10. Calculate the easy way: 5 × 13 × 2

Answer: _____

11. Break up and calculate: 7 × 16

Answer: _____

12. Break up and calculate: 4 × 23

Answer: _____

13. Calculate: **a)** 356 × 1 **b)** 356 × 0 **c)** 356 + 0

Answer: _____

14. True or false? 15 – 6 = 6 – 15

Answer: _____

15. Miss has 4 boxes with 25 books each, and another 3 boxes with 25 books. How many books is that altogether?

Answer: _____

I got _____ out of 15 ☆ ☆ ☆

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Multiples, factors and properties – Memo

Show your child the steps – not just the answer.

1. **7, 14, 21, 28, 35, 42**
   The 7 times table

2. **12, 20, 32, 36**
   4 × 3, 4 × 5, 4 × 8, 4 × 9

3. **1, 2, 3, 6, 9, 18**
   1 × 18, 2 × 9, 3 × 6

4. **1, 2, 4, 5, 10, 20**
   1 × 20, 2 × 10, 4 × 5

5. **A multiple**
   5 × 3 = 15, so 15 is in the 5 times table.

6. **11**
   11 has only two factors: 1 and 11.

7. **12**
   3: 3, 6, 9, 12 … and 4: 4, 8, 12 …

8. **6**
   Swap: the answer stays 54.

9. **145**
   (37 + 63) + 45 = 100 + 45 = 145

10. **130**
    (5 × 2) × 13 = 10 × 13 = 130

11. **112**
    7 × 10 + 7 × 6 = 70 + 42 = 112

12. **92**
    4 × 20 + 4 × 3 = 80 + 12 = 92

13. **a) 356 b) 0 c) 356**
    × 1 and + 0 change nothing; × 0 gives 0.

14. **False**
    With minus you may not swap round.

15. **175 books**
    4 × 25 + 3 × 25 = 7 × 25 = 175

Stars: 8 right = 1 star · 12 right = 2 stars · 15 right = 3 stars ☆ ☆ ☆

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