Name: Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Factor puzzles Autumn 1 – Week 1 – Extension 1**

**Find the integer which satisfies each of these puzzles**

1. it has exactly 4 factors, one of which is 9

The number is \_\_\_\_\_\_\_\_\_ because:

1. it has exactly 3 factors, one of which is 5

The number is \_\_\_\_\_\_\_\_\_ because:

1. it is the smallest number with 6 factors, one of which is 6

The number is \_\_\_\_\_\_\_\_\_ because:

1. it has exactly 4 factors. 2 of which add to 10

The number is \_\_\_\_\_\_\_\_\_ because:

1. it is the smallest number with 6 factors, one of which is 10

The number is \_\_\_\_\_\_\_\_\_ because: