Name: _____ Date: _____

Factor pairs

Write the answer in the box. Some answers have a pick list.



1 Choose a number greater than 19 and less than 27 that has 3 as a factor. Draw or list all its positive factor pairs.

💡 Hint: Find two numbers that multiply to make it. Start with 1 × the number.

Choose 21. The pairs are 1 × 21, 3 × 7.

2 Mia lists these factor pairs of 18: 1 × 18, 2 × 9, 3 × 6, 9 × 2. She counts 4 different rectangle shapes. Check her count when turning a rectangle gives the same shape.

💡 Hint: Find two numbers that multiply to make it. Start with 1 × the number.

There are 3 shapes. 9 × 2 and 2 × 9 represent the same turned rectangle.

3 Mia lists these factor pairs of 54: 1 × 54, 2 × 27, 3 × 18, 6 × 9, 27 × 2. She counts 5 different rectangle shapes. Check her count when turning a rectangle gives the same shape.

💡 Hint: Find two numbers that multiply to make it. Start with 1 × the number.

There are 4 shapes. 27 × 2 and 2 × 27 represent the same turned rectangle.

4 Choose a number greater than 58 and less than 66 that has 6 as a factor. Draw or list all its positive factor pairs.

💡 Hint: Find two numbers that multiply to make it. Start with 1 × the number.

Choose 60. The pairs are 1 × 60, 2 × 30, 3 × 20, 4 × 15, 5 × 12, 6 × 10.

5 Mia lists these factor pairs of 32: 1 × 32, 2 × 16, 4 × 8, 16 × 2. She counts 4 different rectangle shapes. Check her count when turning a rectangle gives the same shape.

💡 Hint: Find two numbers that multiply to make it. Start with 1 × the number.

There are 3 shapes. 16 × 2 and 2 × 16 represent the same turned rectangle.

6 Mia lists these factor pairs of 24: 1 × 24, 2 × 12, 3 × 8, 4 × 6, 12 × 2. She counts 5 different rectangle shapes. Check her count when turning a rectangle gives the same shape.

💡 Hint: Find two numbers that multiply to make it. Start with 1 × the number.

There are 4 shapes. 12 × 2 and 2 × 12 represent the same turned rectangle.

7 Mia lists these factor pairs of 40: 1 × 40, 2 × 20, 4 × 10, 5 × 8, 20 × 2. She counts 5 different rectangle shapes. Check her count when turning a rectangle gives the same shape.

💡 Hint: Find two numbers that multiply to make it. Start with 1 × the number.

There are 4 shapes. 20 × 2 and 2 × 20 represent the same turned rectangle.

8 Choose a number greater than 43 and less than 51 that has 5 as a factor. Draw or list all its positive factor pairs.

💡 Hint: Find two numbers that multiply to make it. Start with 1 × the number.

Choose 45. The pairs are 1 × 45, 3 × 15, 5 × 9.

9 Choose a number greater than 75 and less than 83 that has 7 as a factor. Draw or list all its positive factor pairs.

💡 Hint: Find two numbers that multiply to make it. Start with 1 × the number.

Choose 77. The pairs are 1 × 77, 7 × 11.

10 Choose a number greater than 30 and less than 38 that has 4 as a factor. Draw or list all its positive factor pairs.

💡 Hint: Find two numbers that multiply to make it. Start with 1 × the number.

Choose 32. The pairs are 1 × 32, 2 × 16, 4 × 8.