

Name: _____

Class: _____

Prime numbers

List the prime factors for each number. Is the number prime?

1. $5,357 =$ _____

2. $45 =$ _____

3. $58 =$ _____

4. $2,665 =$ _____

5. $575 =$ _____

6. $7 =$ _____

7. $932 =$ _____

8. $8,303 =$ _____

9. $23 =$ _____

10. $537 =$ _____

11. $165 =$ _____

12. $8 =$ _____

13. $3 =$ _____

Name: _____

Class: _____

Prime numbers

List the prime factors for each number. Is the number prime?

1. $5,357 = 11 \times 487$ (No)

2. $45 = 3 \times 3 \times 5$ (No)

3. $58 = 2 \times 29$ (No)

4. $2,665 = 5 \times 13 \times 41$ (No)

5. $575 = 5 \times 5 \times 23$ (No)

6. $7 = 7$ (Yes)

7. $932 = 2 \times 2 \times 233$ (No)

8. $8,303 = 19 \times 19 \times 23$ (No)

9. $23 = 23$ (Yes)

10. $537 = 3 \times 179$ (No)

11. $165 = 3 \times 5 \times 11$ (No)

12. $8 = 2 \times 2 \times 2$ (No)

13. $3 = 3$ (Yes)