

Name: _____

Class: _____

Prime numbers

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

1. **17** = _____

2. **71** = _____

3. **32** = _____

4. **8** = _____

5. **13** = _____

6. **77** = _____

7. **60** = _____

8. **9** = _____

9. **31** = _____

10. **69** = _____

11. **50** = _____

12. **6** = _____

13. **3** = _____

Prime numbers

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

1. $17 = 17$ (Yes)

2. $71 = 71$ (Yes)

3. $32 = 2 \times 2 \times 2 \times 2 \times 2$ (No)

4. $8 = 2 \times 2 \times 2$ (No)

5. $13 = 13$ (Yes)

6. $77 = 7 \times 11$ (No)

7. $60 = 2 \times 2 \times 3 \times 5$ (No)

8. $9 = 3 \times 3$ (No)

9. $31 = 31$ (Yes)

10. $69 = 3 \times 23$ (No)

11. $50 = 2 \times 5 \times 5$ (No)

12. $6 = 2 \times 3$ (No)

13. $3 = 3$ (Yes)