Irrational vs Rational Number

State if the expression is a rational or irrational number and explain why.

1. 2.3333425932….

This is a _____ number, because it is a _____.

2. $\frac{1}{2}$

This is a _____ number, because it is a _____.

3. 1.2345678

This is a _____ number, because it is a _____.

4. $\frac{3}{8}$

This is a _____ number, because it is a _____.

5. π

This is a _____ number, because it is a _____.

6. $\sqrt{4}$

This is a _____ number, because it is a _____.

7. $\sqrt{17}$

This is a _____ number, because it is a _____.

8. 4.313131313131…

This is a _____ number, because it is a _____.

9. $\frac{1}{3}$

This is a _____ number, because it is a _____.

10. $\sqrt{10}$

This is a _____ number, because it is a _____.

11. $\sqrt{3}$

This is a _____ number, because it is a _____.

12. 1.41349582…

This is a _____ number, because it is a _____.

13. 5.23

This is a _____ number, because it is a _____.