

**Determine if the number is rational (R) or irrational (I).****Answers**

- |                          |           |
|--------------------------|-----------|
| 1) $\frac{75}{4}$        | 1. _____  |
| 2) $44.\overline{7281}$  | 2. _____  |
| 3) 12.2446.....          | 3. _____  |
| 4) 59                    | 4. _____  |
| 5) $67.5\overline{6308}$ | 5. _____  |
| 6) $\sqrt{4}$            | 6. _____  |
| 7) $\frac{54}{26}$       | 7. _____  |
| 8) 38.384618             | 8. _____  |
| 9) $\sqrt{4}$            | 9. _____  |
| 10) 39.608096            | 10. _____ |
| 11) $\pi$                | 11. _____ |
| 12) 20.991675.....       | 12. _____ |
| 13) $\sqrt{85}$          | 13. _____ |
| 14) $\frac{25}{24}$      | 14. _____ |
| 15) 25.270525.....       | 15. _____ |
| 16) 39                   | 16. _____ |
| 17) $3\pi$               | 17. _____ |
| 18) $\frac{21}{63}$      | 18. _____ |
| 19) $\frac{26}{61}$      | 19. _____ |
| 20) $\sqrt{17}$          | 20. _____ |



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Answers

1) $\frac{75}{4}$	1. <u>    <b>R</b>    </u>
2) $44.\overline{7281}$	2. <u>    <b>R</b>    </u>
3) 12.2446.....	3. <u>    <b>I</b>    </u>
4) 59	4. <u>    <b>R</b>    </u>
5) $67.5\overline{6308}$	5. <u>    <b>R</b>    </u>
6) $\sqrt{4}$	6. <u>    <b>R</b>    </u>
7) $\frac{54}{26}$	7. <u>    <b>R</b>    </u>
8) 38.384618	8. <u>    <b>R</b>    </u>
9) $\sqrt{4}$	9. <u>    <b>R</b>    </u>
10) 39.608096	10. <u>    <b>R</b>    </u>
11) $\pi$	11. <u>    <b>I</b>    </u>
12) 20.991675.....	12. <u>    <b>I</b>    </u>
13) $\sqrt{85}$	13. <u>    <b>I</b>    </u>
14) $\frac{25}{24}$	14. <u>    <b>R</b>    </u>
15) 25.270525.....	15. <u>    <b>I</b>    </u>
16) 39	16. <u>    <b>R</b>    </u>
17) $3\pi$	17. <u>    <b>I</b>    </u>
18) $\frac{21}{63}$	18. <u>    <b>R</b>    </u>
19) $\frac{26}{61}$	19. <u>    <b>R</b>    </u>
20) $\sqrt{17}$	20. <u>    <b>I</b>    </u>