



## Repeating Decimals to Fractions - 1 Non-Repeating, 1 Repeating - Fraction (Not Simplified)

1 Turn this repeating decimal into a fraction (don't simplify)

$$n = 6.7\overline{5}$$

|                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|
| A                    | B                    | C                    | D                    |
| $n = \frac{90}{608}$ | $n = \frac{608}{90}$ | $n = \frac{609}{90}$ | $n = \frac{599}{90}$ |

2 Turn this repeating decimal into a fraction (don't simplify)

$$r = 3.7\overline{6}$$

|                      |                       |                      |                      |
|----------------------|-----------------------|----------------------|----------------------|
| A                    | B                     | C                    | D                    |
| $r = \frac{340}{90}$ | $r = \frac{339}{100}$ | $r = \frac{339}{90}$ | $r = \frac{339}{91}$ |

3 Turn this repeating decimal into a fraction (don't simplify)

$$x = 9.7\overline{1}$$

|                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|
| A                    | B                    | C                    | D                    |
| $x = \frac{874}{90}$ | $x = \frac{90}{874}$ | $x = \frac{865}{90}$ | $x = \frac{875}{90}$ |

4 Turn this repeating decimal into a fraction (don't simplify)

$$n = 4.5\overline{1}$$

|                       |                      |                      |                      |
|-----------------------|----------------------|----------------------|----------------------|
| A                     | B                    | C                    | D                    |
| $n = \frac{406}{100}$ | $n = \frac{406}{90}$ | $n = \frac{415}{90}$ | $n = \frac{397}{90}$ |

5 Turn this repeating decimal into a fraction (don't simplify)

$$x = 4.3\overline{1}$$

|                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|
| A                    | B                    | C                    | D                    |
| $x = \frac{90}{388}$ | $x = \frac{397}{90}$ | $x = \frac{388}{90}$ | $x = \frac{388}{89}$ |

6 Turn this repeating decimal into a fraction (don't simplify)

$$z = 1.8\overline{7}$$

|                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|
| A                    | B                    | C                    | D                    |
| $z = \frac{178}{90}$ | $z = \frac{90}{169}$ | $z = \frac{169}{91}$ | $z = \frac{169}{90}$ |

7 Turn this repeating decimal into a fraction (don't simplify)

$$q = 6.1\overline{4}$$

|                      |                       |                      |                      |
|----------------------|-----------------------|----------------------|----------------------|
| A                    | B                     | C                    | D                    |
| $q = \frac{553}{90}$ | $q = \frac{553}{100}$ | $q = \frac{544}{90}$ | $q = \frac{90}{553}$ |

8 Turn this repeating decimal into a fraction (don't simplify)

$$q = 6.6\overline{4}$$

|                      |                       |                      |                      |
|----------------------|-----------------------|----------------------|----------------------|
| A                    | B                     | C                    | D                    |
| $q = \frac{598}{91}$ | $q = \frac{598}{100}$ | $q = \frac{90}{598}$ | $q = \frac{598}{90}$ |