

Repeating Decimals in Bar Notation

Date _____ Period _____

Write in bar notation.

1. $0.144111111111\dots$

$0.144\overline{11}$

2. $0.80832253225\dots$

$0.808\overline{3225}$

3. $0.09746494649\dots$

$0.097\overline{4649}$

4. $0.7111441144\dots$

$0.71\overline{1144}$

5. $0.7678787878\dots$

$0.76\overline{78}$

6. $0.57995799\dots$

$0.\overline{5799}$

7. $0.886868686\dots$

$0.8\overline{86}$

8. $0.754545454\dots$

$0.7\overline{54}$

9. $0.9521521\dots$

$0.9\overline{521}$

10. $0.998346346\dots$

$0.998\overline{346}$

11. $0.771793793\dots$

$0.771\overline{793}$

12. $0.922922\dots$

$0.\overline{922}$

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Solution Steps

$$1) 0.144111111111\dots$$

$$0.144111111111\dots = 0.144\overline{11}$$

$$2) 0.80832253225\dots$$

$$0.80832253225\dots = 0.808\overline{3225}$$

$$3) 0.09746494649\dots$$

$$0.09746494649\dots = 0.097\overline{4649}$$

$$4) 0.7111441144\dots$$

$$0.7111441144\dots = 0.71\overline{1144}$$

$$5) 0.7678787878\dots$$

$$0.7678787878\dots = 0.76\overline{78}$$

$$6) 0.57995799\dots$$

$$0.57995799\dots = 0.5\overline{799}$$

$$7) 0.886868686\dots$$

$$0.886868686\dots = 0.8\overline{86}$$

$$8) 0.754545454\dots$$

$$0.754545454\dots = 0.7\overline{54}$$

$$9) 0.9521521\dots$$

$$0.9521521\dots = 0.9\overline{521}$$

¹⁰⁾ 0.998346346...

$$0.998346346... = 0.998\overline{346}$$

¹¹⁾ 0.771793793...

$$0.771793793... = 0.771\overline{793}$$

¹²⁾ 0.922922...

$$0.922922... = 0.\overline{922}$$