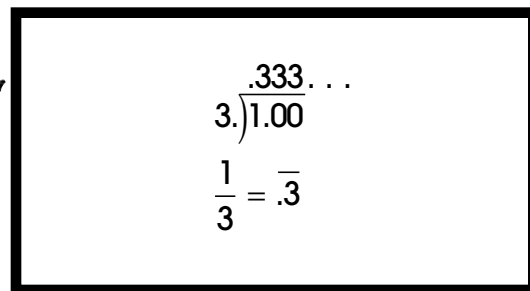
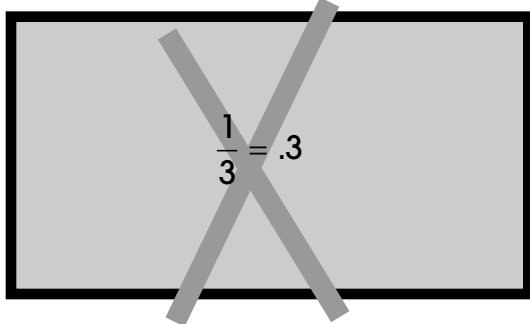


Terminating and Repeating Decimals



Remember

To indicate that a decimal repeats, put a bar over the repeating sequence.

Find the equivalent decimal for each problem. Shade the answers to find a famous theorem.

1. $\frac{3}{4} =$

2. $\frac{1}{3} =$

3. $\frac{5}{8} =$

4. $\frac{2}{9} =$

5. $\frac{11}{12} =$

6. $\frac{17}{20} =$

7. $\frac{3}{18} =$

8. $\frac{12}{25} =$

9. $\frac{7}{14} =$

10. $\frac{17}{50} =$

11. $\frac{5}{6} =$

12. $\frac{2}{3} =$

13. $\frac{1}{4} =$

14. $\frac{7}{9} =$

15. $\frac{7}{15} =$

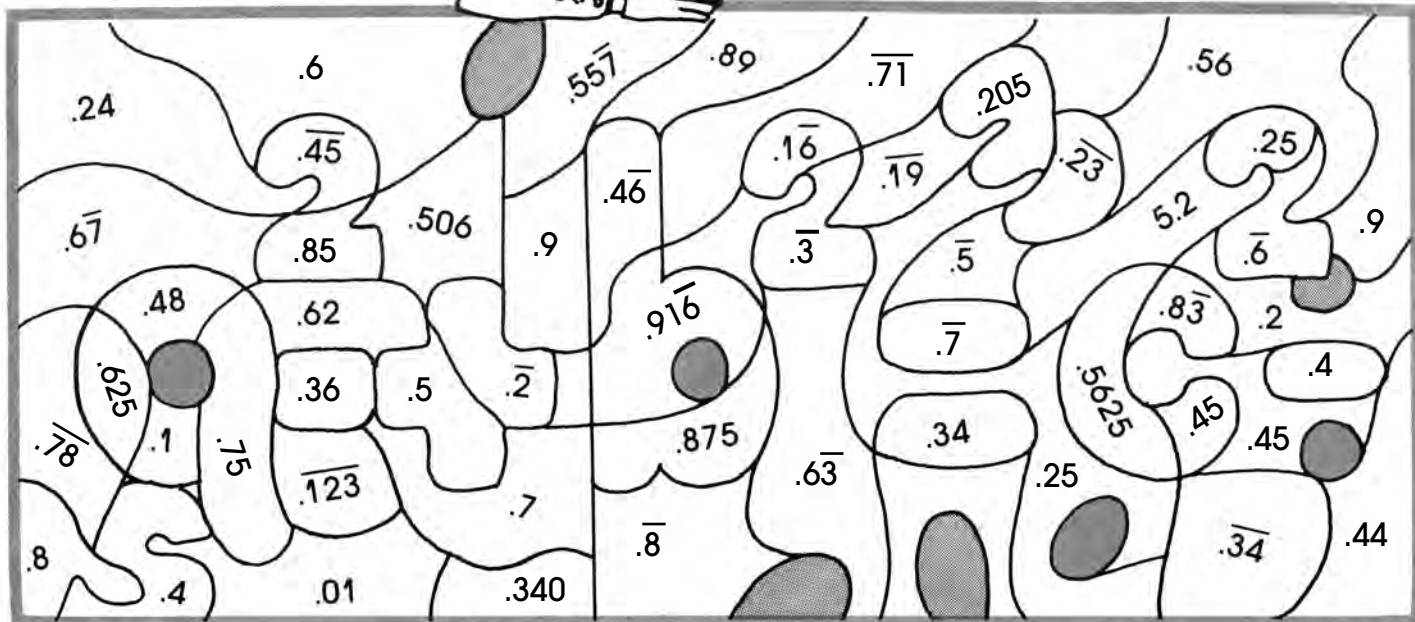
16. $\frac{9}{20} =$

17. $\frac{7}{8} =$

18. $\frac{1}{10} =$

19. $\frac{5}{11} =$

20. $\frac{9}{16} =$



Write as a terminating decimal.

$$\frac{1}{2} =$$

$$\frac{1}{8} =$$

$$\frac{1}{5} =$$

$$\frac{3}{16} =$$

$$\frac{1}{4} =$$

$$\frac{3}{8} =$$

Write $\frac{5}{8}$ as a terminating decimal.

$$\frac{5}{8} = .625$$

Write $\frac{2}{3}$ as a repeating decimal.

$$\frac{2}{3} = .666\dots = \overline{.6}$$

$$\frac{19}{25} =$$

$$\frac{3}{5} =$$

$$\frac{5}{25} =$$

$$\frac{7}{16} =$$

Write as a repeating decimal.

$$\frac{5}{6} =$$

$$\frac{7}{9} =$$

$$\frac{2}{15} =$$

$$\frac{11}{12} =$$

$$\frac{1}{3} =$$

$$\frac{1}{6} =$$

$$\frac{2}{9} =$$

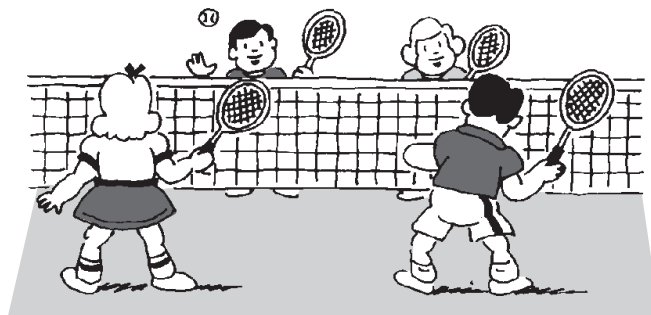
$$\frac{7}{11} =$$

$$\frac{5}{12} =$$

$$\frac{1}{18} =$$

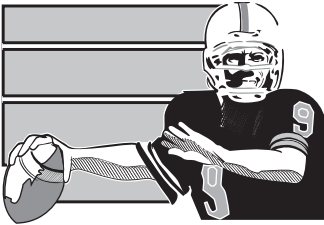
$$\frac{5}{9} =$$

$$\frac{5}{11} =$$



ROUNDING QUOTIENTS IN DIVISION.

Divide. Attach zeros in the dividend as needed. Round each answer to the nearest tenth.



$$\begin{array}{r}
 21.43 \approx 21.4 \\
 30 \overline{) 643.00} \\
 \underline{-60} \\
 43 \\
 \underline{-30} \\
 130 \\
 \underline{-120} \\
 100 \\
 \underline{-90} \\
 10
 \end{array}$$

$$30 \overline{) 643}$$

$$35 \overline{) 267}$$

$$72 \overline{) 456}$$

$$87 \overline{) 365}$$

$$99 \overline{) 107}$$

$$56 \overline{) 202}$$

$$79 \overline{) 806}$$

$$63 \overline{) 158}$$

$$24 \overline{) 837}$$

$$45 \overline{) 389}$$

$$22 \overline{) 215}$$

$$81 \overline{) 964}$$

$$17 \overline{) 53}$$

$$60 \overline{) 482}$$

