



## Homework

## Activity 1

Look at the calculator display for each of the fraction-to-decimal number conversions. Round the numbers to the nearest hundredths place.

Model  $\frac{1}{9}$  0.11111111 Answer: 0.11

1.  $\frac{2}{3}$  0.6666666666666666

2.  $\frac{3}{8}$  0.375

3.  $\frac{13}{7}$  1.85714285714285

4.  $\frac{6}{11}$  0.54545454545454

5.  $\frac{1}{3}$  0.3333333333333333

6.  $\frac{6}{7}$  0.857142857142857

## Activity 2

Rewrite each of the repeating decimal numbers using the line over the top to represent the repeating part.

Model  $\frac{3}{11} = 0.272727272727272 = 0.\overline{27}$

1.  $\frac{2}{7} = 0.285714285714285714$

2.  $\frac{4}{11} = 0.3636363636363636$

3.  $\frac{5}{9} = 0.5555555555555555$

4.  $\frac{1}{6} = 0.166666666666666666$

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## Activity 3

Select the best answer for the questions about decimal numbers.

- When a decimal number does not seem to have an end and there is no pattern to it, we call this a(n) \_\_\_\_\_ number.  
(a) rational  
(b) whole  
(c) irrational
- If you were asked to round 0.275 to the nearest hundredths place, the answer would be \_\_\_\_\_.  
(a) 0.28  
(b) 0.27  
(c) 0.3
- Pi is an example of an irrational number because \_\_\_\_\_.  
(a) it repeats but doesn't end  
(b) it doesn't end and it doesn't repeat  
(c) it ends but doesn't repeat
- If you were asked to round 0.119 to the nearest tenths place, the answer would be \_\_\_\_\_.  
(a) 0.1  
(b) 0.2  
(c) 0.12

## Activity 4 • Distributed Practice

Solve.

- $480 \div 12$
- $999 + 1,011$
- $47 \cdot 9$
- $3,201 - 1,987$
- $\frac{3}{5} + \frac{2}{4}$
- $\frac{3}{5} - \frac{1}{3}$
- $\frac{2}{3} \cdot \frac{4}{5}$
- $\frac{3}{8} \div \frac{1}{4}$
- $\frac{9}{5} - \frac{7}{5}$
- $\frac{5}{12} + \frac{4}{6}$