Name: _____

Fractions to Terminating and Repeating Decimals

Use long division to write each fraction as a decimal. Write … to show a repeating decimal.

1. $\frac{5}{8}$ = _____
2. $\frac{7}{16}$ = _____
3. $\frac{1}{9}$ = _____
4. $\frac{8}{15}$ = _____
5. $\frac{5}{6}$ = _____
6. $\frac{1}{11}$ = _____
7. $\frac{5}{12}$ = _____
8. $\frac{7}{9}$ = _____
9. $\frac{3}{8}$ = _____
10. $\frac{2}{11}$ = _____
11. $\frac{1}{3}$ = _____
12. $\frac{1}{6}$ = _____
13. $\frac{2}{15}$ = _____
14. $\frac{4}{9}$ = _____
15. $\frac{9}{20}$ = _____
16. $\frac{1}{12}$ = _____
17. $\frac{7}{12}$ = _____
18. $\frac{2}{3}$ = _____

Name: **ANSWER KEY**

Fractions to Terminating and Repeating Decimals

Use long division to write each fraction as a decimal. Write … to show a repeating decimal.

1. $\frac{5}{8}$ = 0.625
2. $\frac{7}{16}$ = 0.4375
3. $\frac{1}{9}$ = 0.1111…
4. $\frac{8}{15}$ = 0.5333…
5. $\frac{5}{6}$ = 0.8333…
6. $\frac{1}{11}$ = 0.0909…
7. $\frac{5}{12}$ = 0.4166…
8. $\frac{7}{9}$ = 0.7777…
9. $\frac{3}{8}$ = 0.375
10. $\frac{2}{11}$ = 0.1818…
11. $\frac{1}{3}$ = 0.3333…
12. $\frac{1}{6}$ = 0.1666…
13. $\frac{2}{15}$ = 0.1333…
14. $\frac{4}{9}$ = 0.4444…
15. $\frac{9}{20}$ = 0.45
16. $\frac{1}{12}$ = 0.0833…
17. $\frac{7}{12}$ = 0.5833…
18. $\frac{2}{3}$ = 0.6666…