**Terminating and Recurring Decimals**

By writing the denominator as a product of its prime factors, decide if each of these fractions would convert to a terminating or recurring decimal.

(a) (b) (c)

(d) (e) (f)

(g) (h) (i)

Write out the following recurring decimals to show the first 10 decimal places.

(a) (b)

(c) (d)

(e) (f)

(g) (h)

Use your calculator to convert the following fractions into terminating or recurring decimals.

(a) (b) (c)

(d) (e) (f)

(g) (h) (i)

Use your calculator to convert the following fractions into recurring decimals.

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Can you spot a pattern?

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