Algebra
Activity 1c - Reducing Fractions

1. Simplify

   (a) $\dfrac{12}{20}$

   (b) $\dfrac{238}{910}$

   (c) $\dfrac{abd}{bcd}$

   (d) Describe the process to simplify (reduce) fractions.

2. Simplify

   (a)
   $$\frac{x^2 - 5x + 4}{x^2 - 2x - 8}$$

   (b)
   $$\frac{x^3 - 9x}{x^2 - x - 6}$$

   (c)
   $$\frac{3x + 9}{x^2 - 9}$$

   (d)
   $$\frac{x^2 + 4x + 4}{x^2 - 4}$$

   (e)
   $$\frac{4x^2 + 8x}{12x + 24}$$

   (f)
   $$\frac{3x^2 - x - 2}{3x^2 + 5x + 2}$$