

ACTION

Revision Material



<http://corbettmaths.com/contents/Video 21>

RESPONSE

Fluency



1) $\frac{b}{7} + \frac{c}{14}$

2) $\frac{4f}{5} - \frac{2f}{3}$

3) $\frac{2}{de} + \frac{3}{d}$

Express as a single fraction in its simplest form

4) $\frac{j}{h} - \frac{6j}{3h^2}$

5) $\frac{5k}{m} + \frac{m^2}{k}$

6) $\frac{n+2}{3} - \frac{n-3}{4}$

7) $\frac{p-2}{p+3} + \frac{6-p}{3p+9} - \frac{p-1}{3+p}$

8) $\frac{4x+3}{3x^2+7x+2} - \frac{1}{x+2}$

9) $\frac{w-y}{w^2-y^2} + \frac{2w^2+wy-y^2}{w^2+2wy+y^2}$

Reasoning



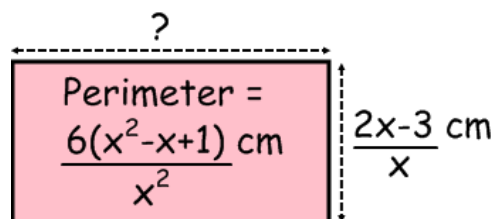
1) Here are the first 3 terms of a linear (arithmetic) sequence,

$$\frac{a}{a+b}, \frac{2a^2+ab+b^2}{a^2-b^2}, \frac{3a^2+3ab+2b^2}{a^2-b^2}$$

Write down the next two terms.

What is the term to term rule (in its simplest form)?

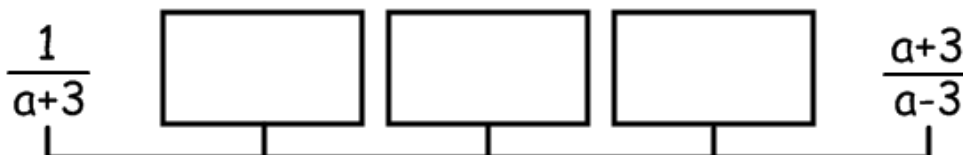
2) Find the missing side length of the rectangle.



Problem Solving



Complete the number line (a is an integer and a > 3)



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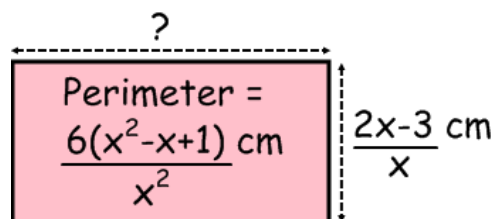
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