

### ACTION

Revision Material



[http://corbetmaths.com/contents/Video 22](http://corbetmaths.com/contents/Video%2022)

### RESPONSE

Fluency



1)  $\frac{10}{a} \div \frac{2}{a}$

4)  $\frac{a^2}{2b} \div \frac{3a}{4b^2}$

7)  $\frac{16p-12}{p+7} \div \frac{4p^2-3p}{2p^2+14p}$

2)  $\frac{3b}{5} \div \frac{5b}{3}$

5)  $\frac{6e^2f}{24d^5} \div \frac{6e}{4d^3}$

8)  $\frac{q^2+5q+6}{q+5} \div \frac{q^2-3q-10}{q^2-25}$

3)  $6c^2 \div \frac{2c}{3}$

6)  $\frac{h+5}{3} \div \frac{3h+15}{3h}$

9)  $\frac{a+b}{a-b} \div \frac{a^2+2ab+b^2}{a^2-2ab+b^2} \div \frac{a^2-b^2}{a+b}$

Express in the simplest form

Reasoning

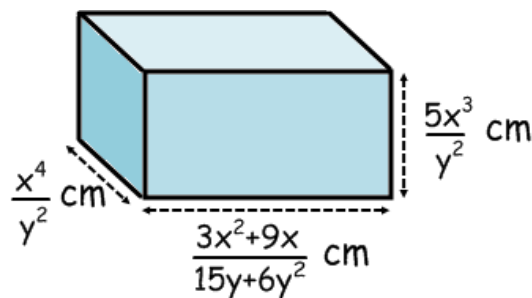
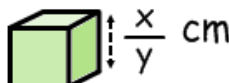


Generate the first 4 terms of the geometric sequence that has  $a_1 = \frac{b+2}{3}$  and a term to term rule of divide by  $\frac{2b+4}{9}$

### Problem Solving



Small cube boxes are to be packed into a larger cuboid packing box (as shown).



How many can be packed into this box?



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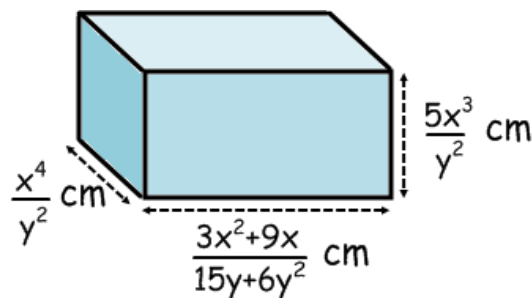
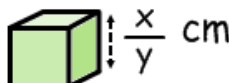


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