

### ACTION

Revision Material



[http://corbetmaths.com/contents/Video 23](http://corbetmaths.com/contents/Video%2023)

### RESPONSE

Fluency



1)  $\frac{12}{a} \times \frac{f}{4}$

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

7)  $\frac{12p-4}{5q} \times \frac{5q^2+5q}{3p-1}$

2)  $\frac{2}{3h} \times \frac{2h}{3}$

5)  $\frac{6e^3f}{7d^5} \times \frac{14d^2}{24e}$

8)  $\frac{b^2-6b+9}{2a^2+4a} \times \frac{a+2}{b^2-9}$

3)  $6j^2 \times \frac{2}{3j^2}$

6)  $\frac{r+2}{3} \times \frac{21}{3r+6}$

9)  $\frac{-16+w^2}{(w-4)^2} \times \frac{2w^2-7w-4}{w+4}$

Express in the simplest form

Reasoning



Here are the first 4 terms of a geometric sequence

$$\frac{2a}{b^2}, \frac{4a^2}{b^3}, \frac{8a^3}{b^4}, \frac{16a^4}{b^5}$$

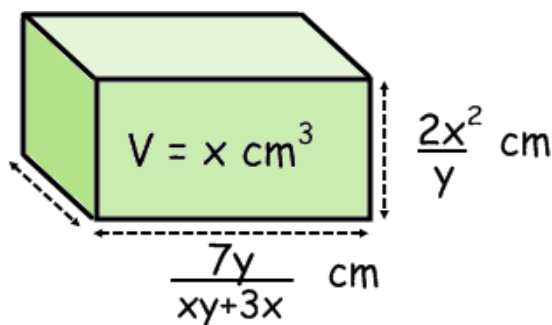
Work out the next 3 terms.

Explain how you found your answer.

Problem Solving



Find the missing side length of the cuboid if the volume is  $x \text{ cm}^3$ .



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