



Simplify

$$\frac{6a^3b \times 4ab^5}{8ab^2}$$

$$\frac{24a^4b^6}{8ab^2}$$

$$= 3a^3b^4$$

A bag contains red, green and yellow beads.
20% of the beads are red. 80% other
three fifths of the **rest** of the beads are green.

There are 224 yellow beads in the bag.

Work out how many more green beads than red beads there are in the bag.

$$\frac{3}{5} \text{ of } 80 = 48\% \text{ of total are green}$$

$$\frac{2}{5} \text{ of } 80 = 32\% \text{ of total are yellow}$$

$$32\% \text{ of } y = 224$$

$$1\% \text{ of } y = 7$$

$$y = 700$$

336 green
140 red

196

Write 0.5666666... as a fraction

$$x = 0.5666\dots$$

$$10x = 5.666\dots$$

$$100x = 56.666\dots$$

$$90x = 51 \quad x = \frac{51}{90}$$

$$x = \frac{17}{30}$$

Solve $w^2 + 2w = 8$

$$w^2 + 2w - 8 = 0$$

$$(w + 4)(w - 2) = 0$$

$$w = -4 \text{ or } w = 2$$

Calculate the area

$$\frac{1}{2} \times 7.2 \times 6.2 \times \sin 147$$

$$12.16 \text{ cm}^2$$

to 2dp

