

Friday 4's no 3

Simplify

1 $m^3 \times \sqrt{m}$.

2 Evaluate

$8^{\frac{2}{3}}$.

3 Simplify

$\frac{\sqrt{24}}{\sqrt{2}}$.

2

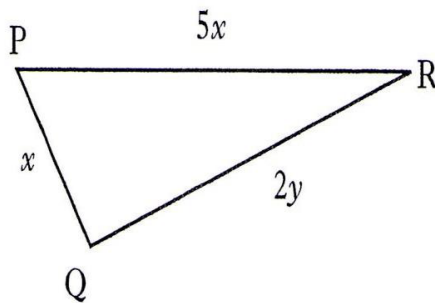
2

2

KU KE

4 In triangle PQR:

- $PQ = x$ centimetres
- $PR = 5x$ centimetres
- $QR = 2y$ centimetres.



(a) The perimeter of the triangle is 42 centimetres.

Write down an equation in x and y to illustrate this information.

2

(b) PR is 2 centimetres longer than QR.

Write down another equation in x and y to illustrate this information.

2

(c) Hence calculate the values of x and y .

3