

STEP 1: REAL AND RATIONAL

Circle the rational values:

36

$\sqrt{-1}$

$\frac{1}{2}$

8.567

$\sqrt{4}$

π

$\sqrt{3}$

72. $\dot{3}$

0.25

STEP 2: UNDERSTAND AND USE SURDS

Simplify (show your working)

$\sqrt{18}$

$\sqrt{500}$

$\sqrt{12}$

$\sqrt{72}$

STEP 3: PROBLEMS W INTEGERS

A cinema has 26 rows with 23 seats and 14 rows with 16 seats. Each ticket cost \$14. How much would it cost to buy every seat? Show your working.

STEP 4: PROBLEMS W DECIMALS

Use 8.7×54 to solve

$$8.7 \times 540$$

$$8.7 \times 0.54$$

$$469.8 \div 5.4$$