

## GCSE QUESTIONS WITH CLUES

**Q1. CALCULATOR ALLOWED**

Work out  $\frac{30 + 12}{5 + 3}$

← Calculate numerator: 42

← Calculate denominator: 8

.....  
(Total for question is 1 mark)

**Q2. CALCULATOR ALLOWED**

Find the value of  $\frac{5.27 + 3.5}{7.9 - 4.36}$

← 8.77

← 3.54

Give your answer as a decimal. Write down all the figures on your calculator display.

.....  
(Total for question = 2 marks)

**Q3. CALCULATOR ALLOWED**

Work out the value of  $\frac{\sqrt{2.7} + 6.5}{4.8 - 1.06}$

← 8.143167673

← 3.74

Give your answer correct to 2 decimal places.

(2dp)

.....  
(Total for question = 3 marks)

**Q4. CALCULATOR ALLOWED**

Find the value of  $(2.8 - 0.45)^2 + \sqrt[3]{5.832}$

2.35  $\boxed{x^2}$  = 5.5225

↑

$\boxed{\sqrt[3]{\quad}}$  5.832 = 1.8

.....  
(Total for question = 2 marks)

**Q5. CALCULATOR ALLOWED**

(a) Use your calculator to work out  $\frac{29^3 - 4.6}{\sqrt{35 - 1.9^3}}$

←  $29 \boxed{x^2} - 4.6 = 836.4$

Write down all the figures on your calculator display.

$1.9 \boxed{x^3} = 6.859$

$\boxed{\sqrt{\quad}} 35 - 6.859 = 5.304809139$

(2)

(b) Write your answer to part (a) correct to 4 significant figures.

4 most important  
digits

.....  
(1)  
(Total for question = 3 marks)

**Q6. CALCULATOR ALLOWED**

$$\frac{4.36 + 2.8^3}{6.8 - 5.42} \quad \leftarrow \quad 4.36 + 2.8 \boxed{x^3} = 26.312$$

(a) Work out  $\frac{4.36 + 2.8^3}{6.8 - 5.42} \leftarrow 1.38$

Give your answer as a decimal. Write down all the digits on your calculator display.

.....  
(2)

(b) Give your answer to part (a) correct to 1 decimal place.

.....  
(1)

(Total for question = 3 marks)

**Q7. CALCULATOR ALLOWED**

$$\frac{29^3 - 4.6}{\sqrt{35 - 1.9^3}} \quad \leftarrow \quad 841 - 4.6 = 836.4$$

(a) Use your calculator to work out  $\frac{29^3 - 4.6}{\sqrt{35 - 1.9^3}} \leftarrow \sqrt{35 - 6.859}$

Write down all the figures on your calculator display.

$$= \sqrt{28.141} = 5.304809139$$

.....  
(2)

(b) Write your answer to part (a) correct to 4 significant figures.

4 most important digits

.....  
(1)

(Total for question = 3 marks)

**Q8. CALCULATOR ALLOWED**

$$\frac{\sqrt{13.4 - 1.5}}{(6.8 + 0.06)^2} \quad \leftarrow \quad \sqrt{11.9} = 3.449637662$$

Find the value of  $\frac{\sqrt{13.4 - 1.5}}{(6.8 + 0.06)^2} \leftarrow 6.86^2 = 47.0596$

Write down all the figures on your calculator display.

.....  
(Total for question = 2 marks)