

1 Work out  $\sqrt{7.1^3 + 2.9^3}$ , giving

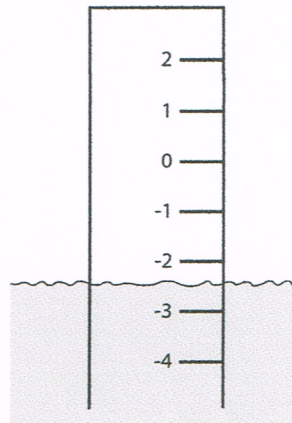
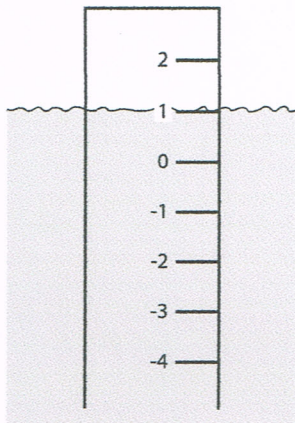
(a) your full calculator display,

Answer (a).....19.55249 [1]

(b) your answer to 2 decimal places.

Answer (b).....19.55 [1]

2 The diagram shows how the water level of a river went down during a drought.



The measurements are in metres.

(a) By how many metres did the water level go down?

$$1 - (-2.5) = 1 + 2.5 = 3.5$$

Answer (a).....3.5 m [1]

(b) A heavy rainfall followed the drought and the water level went up by 1.6 metres. What was the water level after the rainfall?

$$-2.5 + 1.6 = -0.9$$

Answer (b).....-0.9 m [1]

3 (a) Write in order of size, smallest first

0.68,  $\frac{33}{50}$ , 67%.  $\frac{33}{50} = 0.66$   
 $67\% = 0.67$

Answer (a).....  $\frac{33}{50} < 67\% < 0.68$  [1]

(b) Convert 0.68 into a fraction in its lowest terms.

$$0.68 = \frac{68}{100} \div 4 = \frac{17}{25}$$

Answer (b).....  $\frac{17}{25}$  [1]