Number exam review
1 This formula is used in science.
 $v = \sqrt{2gh}$
<b>a</b> Hanif uses the formula to work out an estimate for the value of $v$ without using a calculator when $g = 9.812$ and $h = 0.819$
Write down approximate values for g and h that Hanif could use.
approximate value for g
approximate value for h
(2)
<b>b</b> Make <i>h</i> the subject of the formula $v = \sqrt{2gh}$
h =
(2)
(Total 1 marks)
(10tal 4 marks)
2 The length of a side of a square is 6.81 cm, correct to 3 significant figures.
a Work out the lower bound for the perimeter of the square.
cm
(2)
<b>b</b> Give the perimeter of the square to an appropriate degree of accuracy
You must show working to explain how you obtained your answer.
cm
(2)
(Total 4 marks)



(Total 3 marks)





9

Work out the value of *f* when u = 5.7 and v = -7.6



Using only symbols from the box, make the following into true statements.

 $+ - \times \div ()$ 



(1)

(Total 3 marks)

