



Chess is played on a game board with an 8 by 8 grid of alternating white and black squares.

1 How many squares are there in a chessboard?(hint: larger squares can be made using multiple smaller squares)

In chess, each piece has a value as shown below. The pawn is worth 1 point, while the queen worth 9 points, and a king only 0 points. Therefore a queen is equivalent in value to 9 pawns.

(king) = 0 point	(knight) = 3 points	(rook) = 5 points
(pawn) = 1 point	(bishop) = 3 points	(queen) = 9 points

2 Find the answer to the blanks in the problems below. Answers should be shown as chess pieces.

$$\text{♖} + 5 = \underline{\hspace{2cm}}$$

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
+	-	+	-
		6	6

$$\text{♔} + \text{♘} + x = 54$$

$$x = \underline{\hspace{2cm}}$$

Fill in the blanks.

Number of ♙	Number of ♘	Number of ♖	Total points
1	1	1	9
3	2	0	9
0	3	0	9
<input type="text"/>	<input type="text"/>	<input type="text"/>	10
<input type="text"/>	<input type="text"/>	<input type="text"/>	10
<input type="text"/>	<input type="text"/>	<input type="text"/>	11
<input type="text"/>	<input type="text"/>	<input type="text"/>	12
<input type="text"/>	<input type="text"/>	<input type="text"/>	13
<input type="text"/>	<input type="text"/>	<input type="text"/>	14
<input type="text"/>	<input type="text"/>	<input type="text"/>	15

Find the values of the question marked boxes.

	?		14	
?				21
		♘		
?				28
	42		?	