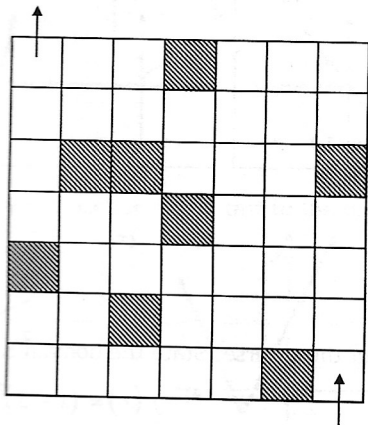
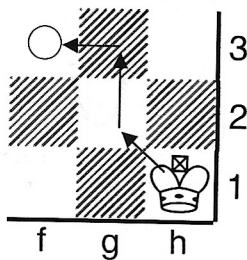


Challenging Activities: Logical Reasoning & Critical Thinking

the movement of the rook, no diagonals. Trace the path from a7 without lifting the pencil from the paper by connecting all squares, except the dark huts. Don't cross the same square twice.



2) Find the paths for the king can move from h1 to f3.
Hint: The King move only one square in any direction.



Path 1: Kg2, Kg3, Kf3

2: _____, _____, _____

3: _____, _____, _____

4: _____, _____, _____

5: _____, _____, _____

6: _____, _____, _____

8: _____, _____, _____

10: _____, _____, _____

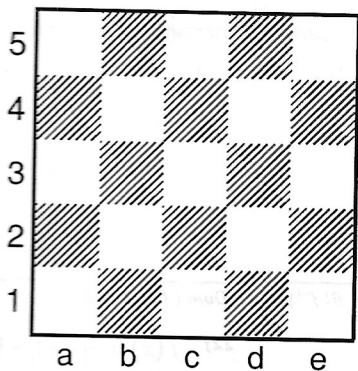
12: _____, _____, _____

7: _____, _____, _____

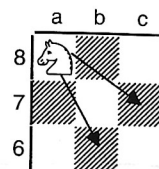
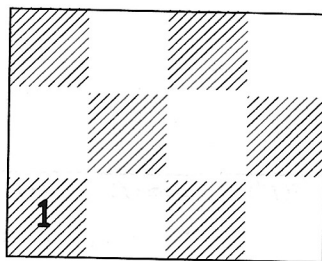
9: _____, _____, _____

11: _____, _____, _____

3) Place 5 queens on this 5x5 chessboard so that no queen attacks another. Represent each queen with a dot O

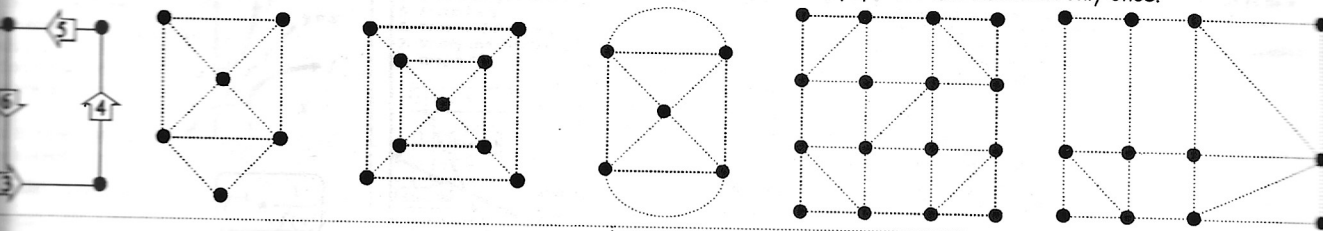


4) Find out a knight's tour in order to transverse all the squares of this 3x4 chessboard. Write down the numbers from 1 to 12.
Hint: The knight moves along an L-shaped path, 3 squares, and always lands in a opposite colored square from the color of square it is currently on.

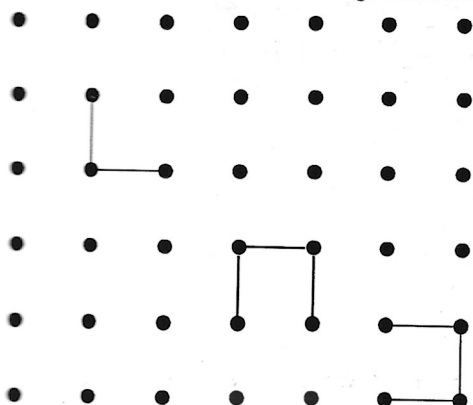


Euler Puzzles Drawing

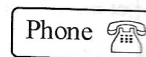
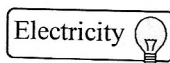
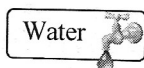
5) Trace each shape along all of the lines, without lifting the pencil from the paper. Trace each line only once.



6) Trace a continuous path by joining all the dots (edges). Lighted dots are part of the tour. No diagonals are allowed.



7) Connect each service to each house so that no line is intercepted.



We will studying

Angles and Measure

The Sine and Function

Graphing the and Cosine Function

Trigonometric Function

Graphing the Trig Function

Trigonometric Identity

Trigonometric Equation

Inverse Trigonometric Function

Trigonometric Right Triangle

Law of Sine and Cosine