**MORE ON PIECEWISE FUNCTIONS**

In small groups:

1. The normal length L of a giant earthworm (measure in cm) is approximately a function of its age, t (measured in weeks). This function can be represented by the following piecewise function rule:

$$L\left(t\right)=\left\{\begin{array}{c}1.5t if0<t\leq 4\\0.5t+4 if 4<t<6\\7 if 6\leq t\leq 10\end{array}\right\}$$

1. What is the normal length of a giant earthworm that is 4 weeks old? Express this information using **function notation**.
2. Evaluate $L(8)$ and interpret this value in the context of this problem.
3. What is the domain of L?
4. What does this domain tell you about the normal life span of a giantearthworm?
5. Graph the function. Be sure to appropriately label your axes.