

TECHNOLOGY

Cell phone towers.

This worksheet is based on the section of structures (pg. 82-99) as well as investing design issues (pg. 106-120).

Read the scenario below and answer the questions that follow.

Scenario:

A cell phone tower is needed in the town where you live. A cell phone company asks you to design a cell phone tower. The people in the town are against it as they feel it will contribute to visual pollution in the area.

1. Write a design brief saying who will use the product, where it will be used and what it must do.
2. Write one constraint evident in the scenario that will influence the design solution. Remember that ***a constraint is something that limits your freedom to design a tower.***
3. Explain the two advantages of the cell phone tower to the people in your community.
4. What do you understand by the words ***“visual pollution”***? Explain in detail.
5. With the reference to the cell phone design, explain what can be done to prevent visual pollution?