

## **Building Bridges Countdown**

Getting the key information out of the text book.

Structures (pg. 34 – 35)

1. What is a shell structure?
2. What is a solid structure?
3. What is a frame structure?
4. Why do you combine different types of structures?



Symmetry (pg. 36 – 37)

5. What is symmetry?



6. What is stability?

7. Why is symmetry important when you are making something stable?

8. Why is the symmetry of the load important?

9. Why does it cost less to build symmetrical structures?

Strengthening Structures (pg. 42 – 43)

10. Triangles. What is a truss?  
What is a gusset? (sketch each one)



11. Why is an arch a strong structure?

12. What is a tie? What is a strut?

13. What is corrugation?

14. What is lamination?