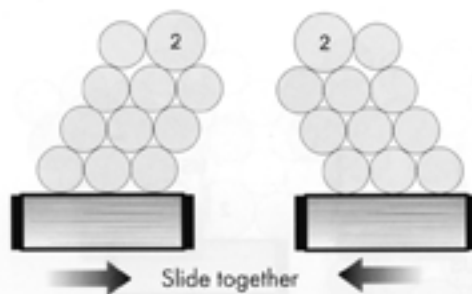
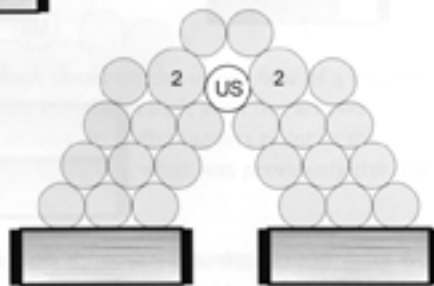


9. LINCOLN ARCH



The Lincoln Arch is much easier to build than the Lincoln Crown.

Try holding the top two coins together while placing them with one hand and keeping the President in place with the other.



In which direction should the magnet arrows point? **(21)**

How wide can you build a similar arch between two magnets without the US coin?

Do you know in which US city there is a very high arch? **(22)**

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10. EXPANDING IRON BRIDGE

Place two magnets (one arrows up, one arrows down) side by side, 10cm/4 inches apart on a flat surface.

Place a stack of coins on the center of each.

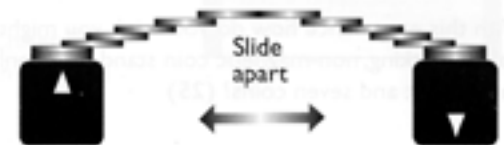


Slide the magnets slowly together and then pull them apart.

How far can you make your bridge span?

Do you notice anything interesting when you were stacking the coins? **(23)**

Do you know where the first iron bridge was built? **(24)**



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