

JR-ENGINEERS

SECRET DECODER

Make your own Secret Decoder Ring!

INSTRUCTIONS:

STEP 1: Print out the two page templates and the coded message page.

STEP 2: Cut out each circle.

STEP 3: Place the middle circle on top of the larger circle so the letters and images line up.

STEP 4: Place the smaller circle on top and use scissors or a nail to punch a hole through all the circles.

STEP 5: Push the paper fastener through the circles and fasten.

SUPPLIES:

Circle templates
Coded message
Scissors
Paper fastener

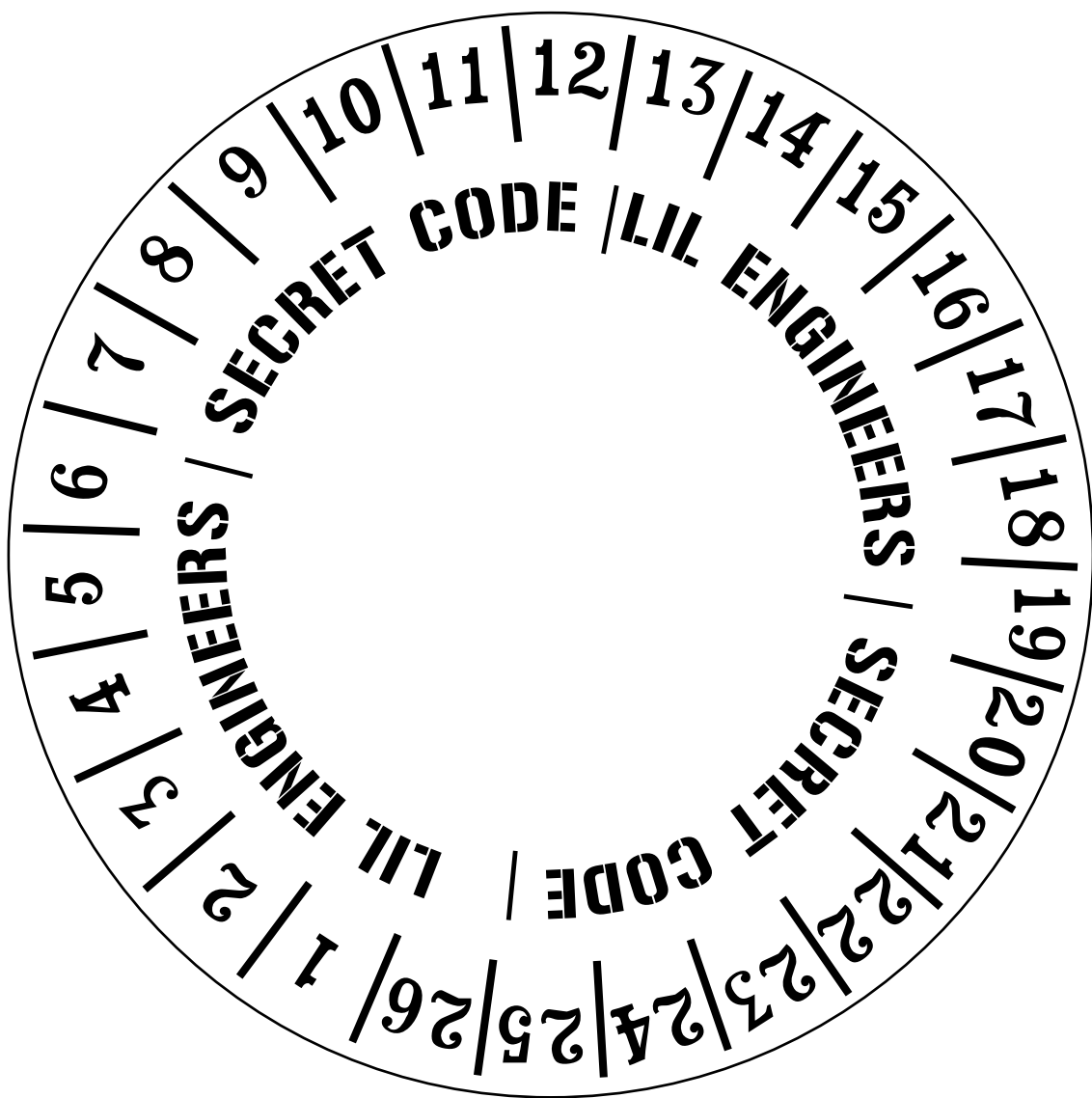
Secret codes are similar to science investigations. They contain both direct and indirect evidence to help you draw conclusions and solve the code!

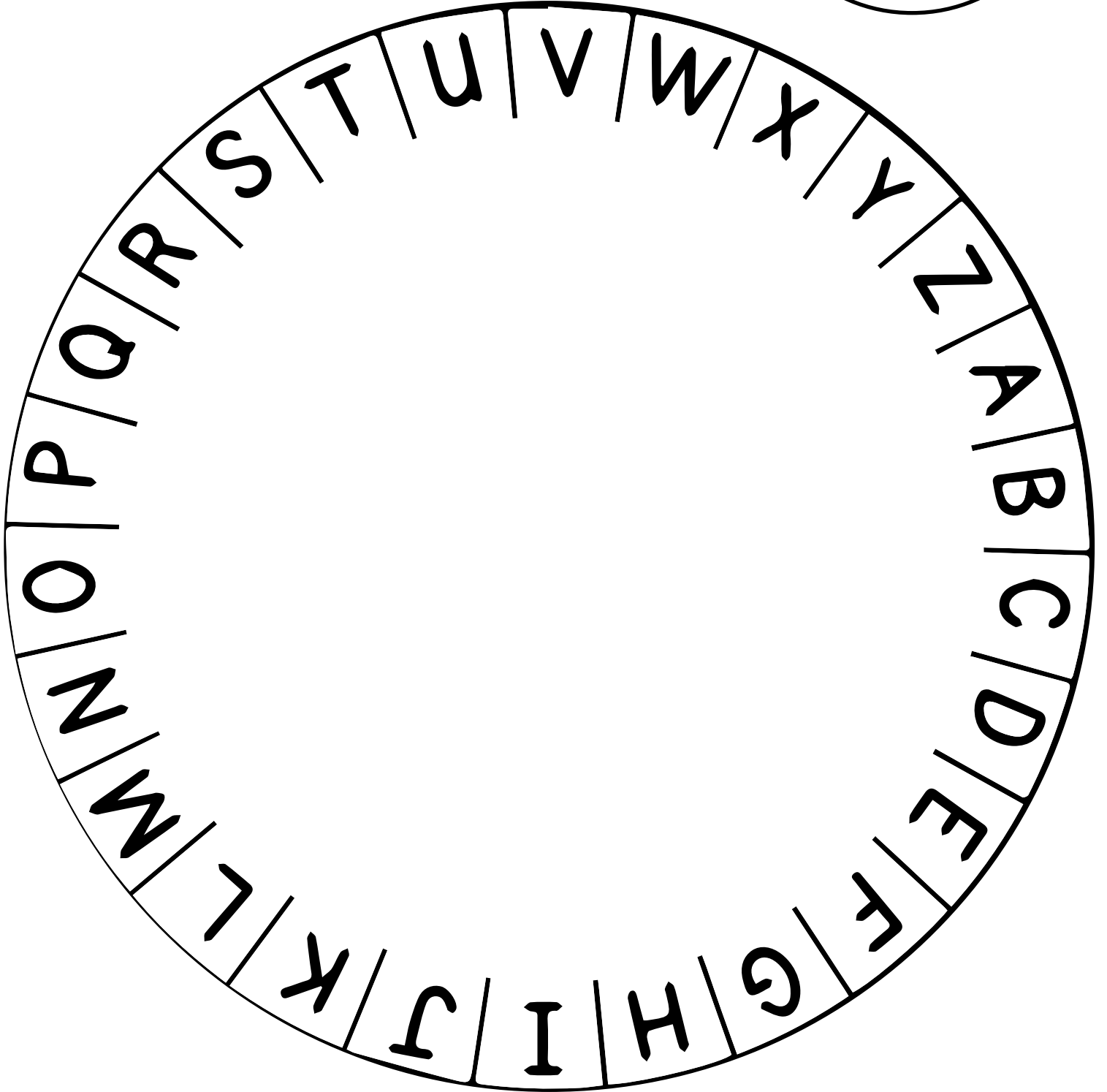
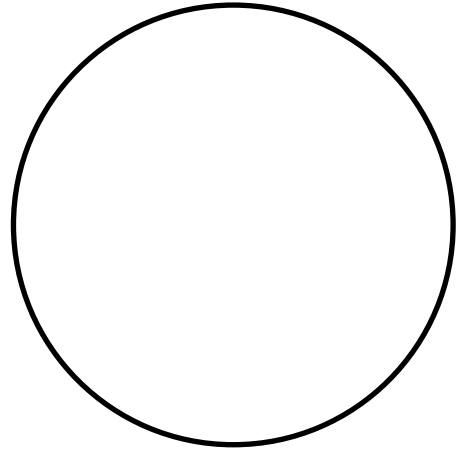
When you analyze the data from an investigation, you need to look at all the evidence. Sometimes the evidence is very clear and direct or observable and measurable. This is called direct evidence.

Evidence that is not as clear and measurable is called indirect evidence. This type of evidence you have to infer from what your data tells you or what you can see but can not actually measure.

Both types of evidence are used to draw conclusions and determine whether you have answered your question or proved your hypothesis or solved your code.

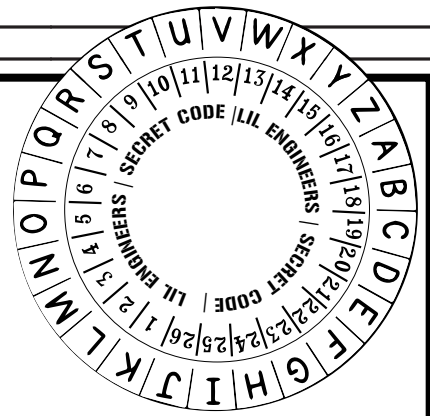






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SECRET CODE



Use your decoder ring to write your own message.

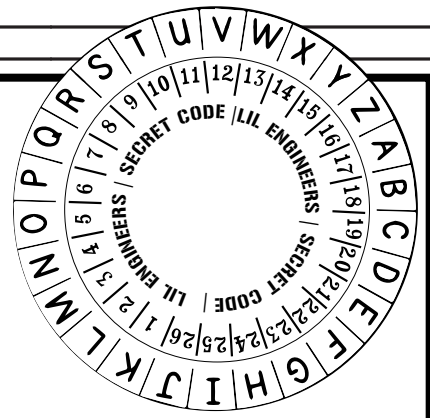
Who is your favorite person and why?

****Line A up with 15.**

11	6	23	8	19		1	19	7	7	15	21	19		22	19	6	19	
W	R	I	T	E		M	E	S	S	A	G	E		H	E	R	E	

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SECRET CODE



Use your decoder ring to solve read this message!

** Turn your coder so the letter A lines up with 15.

1 23 7 8 15 25 19 7

15 6 19

4 6 3 3 20 13 3 9

15 6 19

8 6 13 23 2 21

