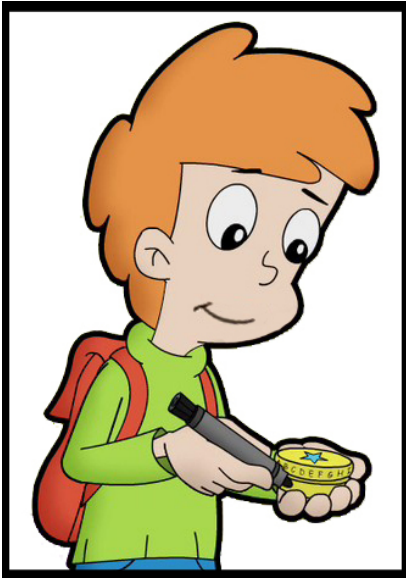




pbskidsgo.org/cyberchase



Make Matt's Coder/Decoder!

In *Father's Day*, Matt uses his yo-yo to make a decoder to crack Hacker's secret code. Now you can make your own decoder, and use it to decode this message:

8 1 16 16 25 6 1 20 8 5 18 19 4 1 25!

Materials

- Two 8-ounce paper or Styrofoam cups
**must be 3-inch diameter across the top*
- scissors
- tape

Directions

- Cut out the two code strips on the right.
- Wrap each strip around the outer rim of a cup. Wrap it at the top so the ends meet, but do not overlap. Tape it in place.



- Put one cup inside the other so both strips line up. (You may need to put something in the bottom of one of the cups for the second cup to rest on.)



- To crack the code in the message above, line up the letter A with the number 1.
- To make your own secret code, turn the top cup and line up the letter A with a different number.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z