

Teacher Instructions

Cut out each page and laminate for learners to use during the starter activity. Packets should be laminated back-to-back with the picture then cut up. The final packet is an extra (with a different checksum) to demonstrate how to check which packets belong together.



ORIGIN HOST

Source address:

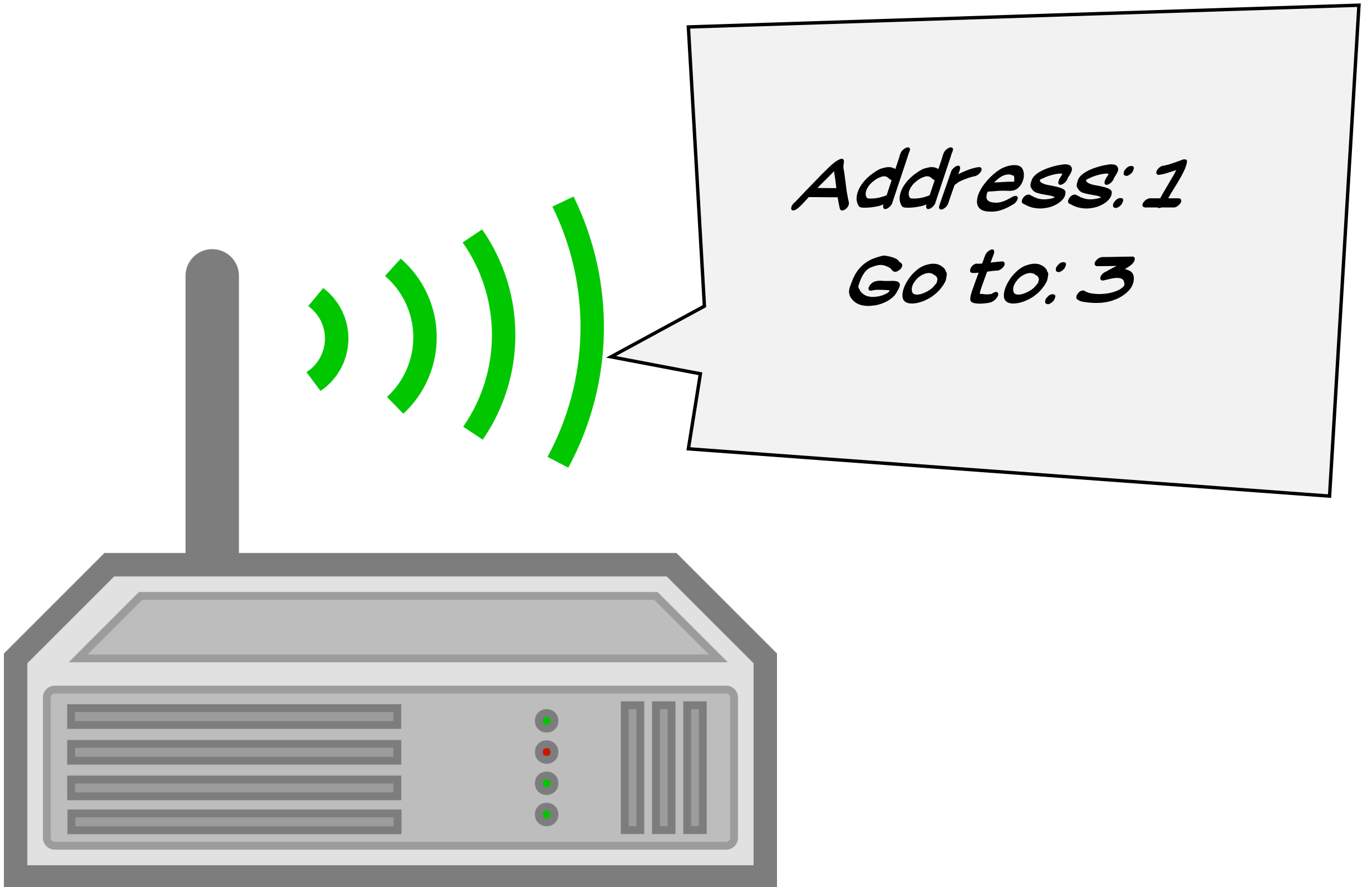
78.129.224.53



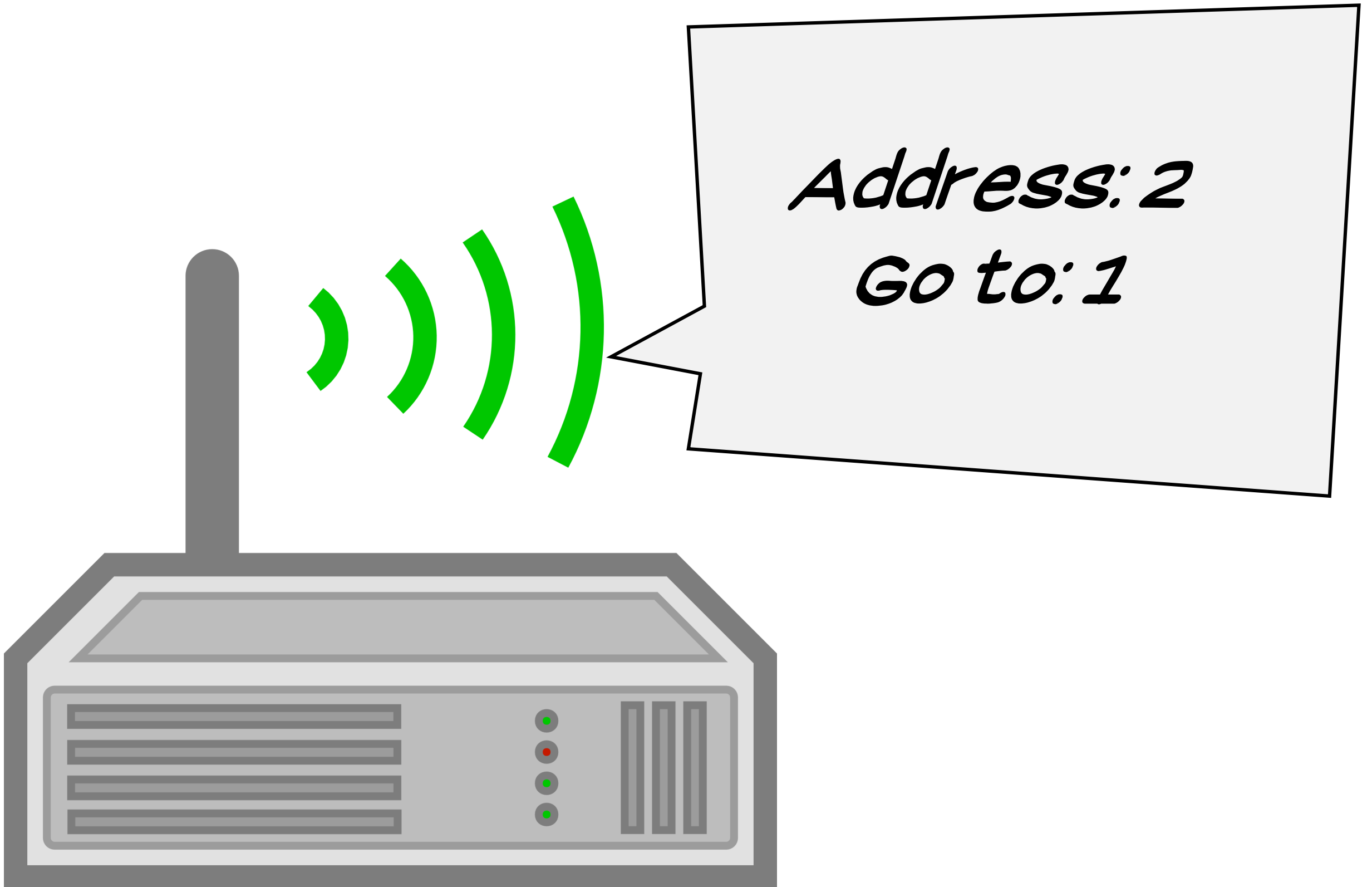
***DESTINATION
HOST***

***Address:
194.80.21.42***

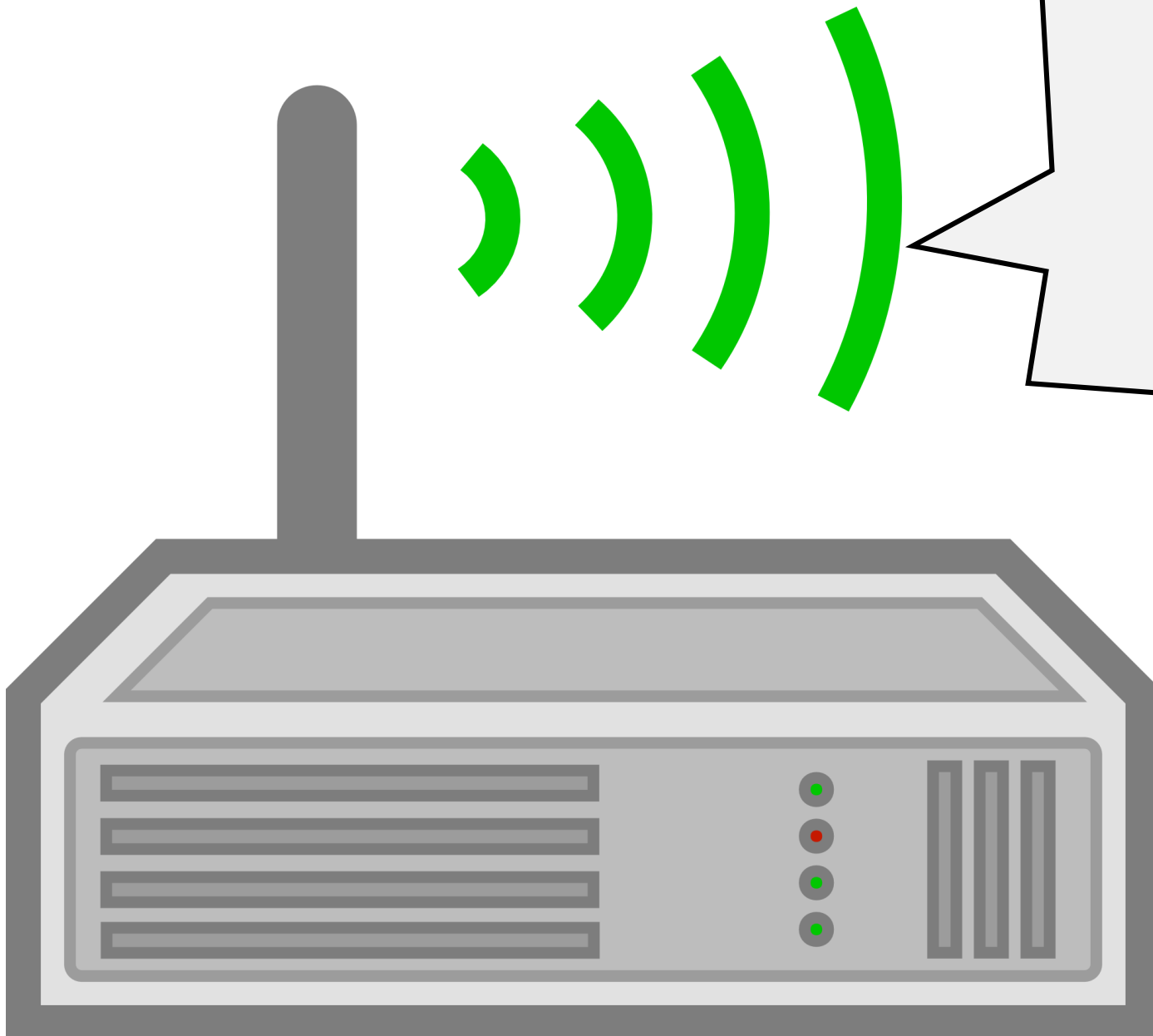
ROUTER



ROUTER



ROUTER



Address: 3

Go to:

194.80.21.42

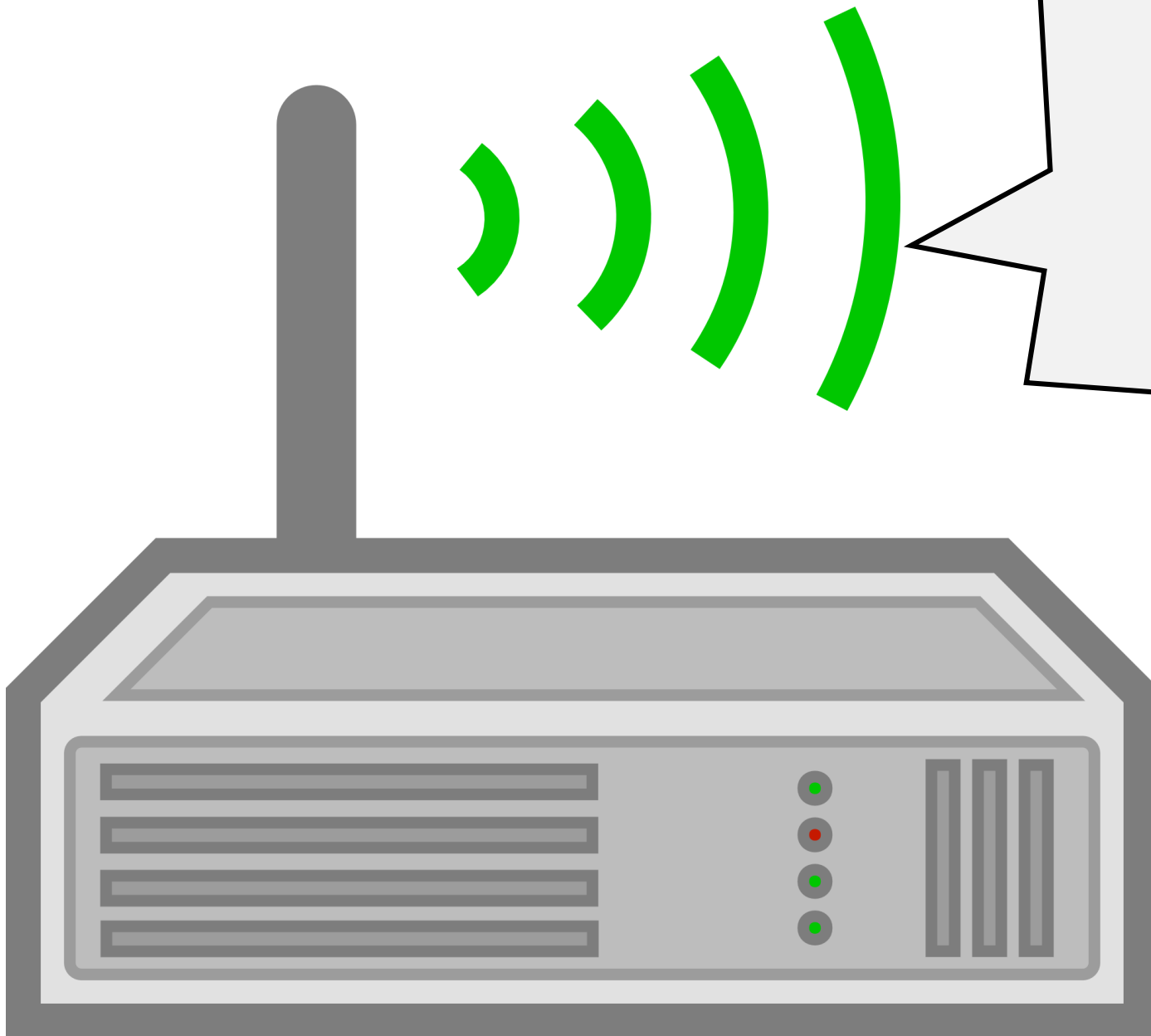
ROUTER



Address: 4

Go to: 5

ROUTER



Address: 5

Go to:

194.80.21.42



<i>Number:</i>	<i>Total Length:</i>
4	8
<i>Time to live</i>	<i>Checksum</i>
	3 x 2 = 6
<i>Source Address</i>	
78.129.224.53	
<i>Destination Address</i>	
194.80.21.42	

<i>Number:</i>	<i>Total Length:</i>
3	8
<i>Time to live</i>	<i>Checksum</i>
	3 x 2 = 6
<i>Source Address</i>	
78.129.224.53	
<i>Destination Address</i>	
194.80.21.42	

<i>Number:</i>	<i>Total Length:</i>
2	8
<i>Time to live</i>	<i>Checksum</i>
	3 x 2 = 6
<i>Source Address</i>	
78.129.224.53	
<i>Destination Address</i>	
194.80.21.42	

<i>Number:</i>	<i>Total Length:</i>
1	8
<i>Time to live</i>	<i>Checksum</i>
	3 x 2 = 6
<i>Source Address</i>	
78.129.224.53	
<i>Destination Address</i>	
194.80.21.42	

<i>Number:</i>	<i>Total Length:</i>
8	8
<i>Time to live</i>	<i>Checksum</i>
	3 x 2 = 6
<i>Source Address</i>	
78.129.224.53	
<i>Destination Address</i>	
194.80.21.42	

<i>Number:</i>	<i>Total Length:</i>
7	8
<i>Time to live</i>	<i>Checksum</i>
	3 x 2 = 6
<i>Source Address</i>	
78.129.224.53	
<i>Destination Address</i>	
194.80.21.42	

<i>Number:</i>	<i>Total Length:</i>
6	8
<i>Time to live</i>	<i>Checksum</i>
	3 x 2 = 6
<i>Source Address</i>	
78.129.224.53	
<i>Destination Address</i>	
194.80.21.42	

<i>Number:</i>	<i>Total Length:</i>
5	8
<i>Time to live</i>	<i>Checksum</i>
	3 x 2 = 6
<i>Source Address</i>	
78.129.224.53	
<i>Destination Address</i>	
194.80.21.42	



<i>Number:</i> 3	<i>Total Length:</i> 8
<i>Time to live</i>	<i>Checksum</i> $4 + 3 = 7$
<i>Source Address</i> 78.129.224.53	
<i>Destination Address</i> 194.80.21.42	