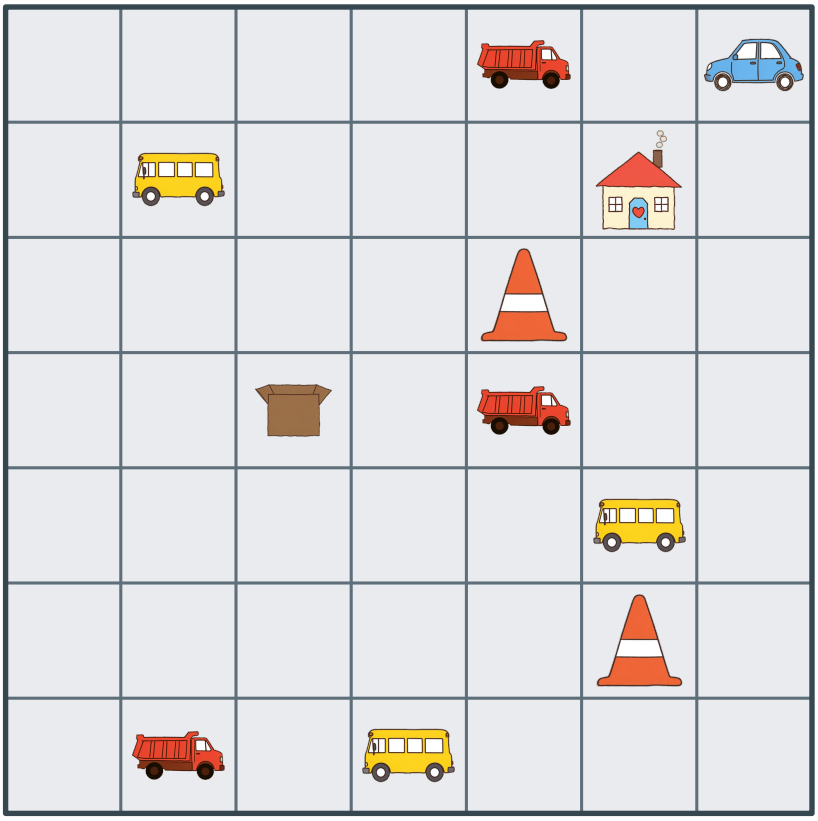
Coding with Loops Worksheet: Car to the House

Name: _____ Date: _____

Write the shortest code with loop blocks: an arrow and how many times to repeat it (x3 = three squares the same way).

left **right** **up** **down**

Pick up the package, then go to the house.



Your code (7 blocks at most):

1 [ ] x [ ] 2 [ ] x [ ]

3 [ ] x [ ] 4 [ ] x [ ]

5 [ ] x [ ] 6 [ ] x [ ]

7 [ ] x [ ]

Each block: draw an arrow, then write how many squares. Leave a block empty if you do not need it.

Test it: put a coin on the car and move it the way each block says. Did it get the package and reach the house?

yes **no**

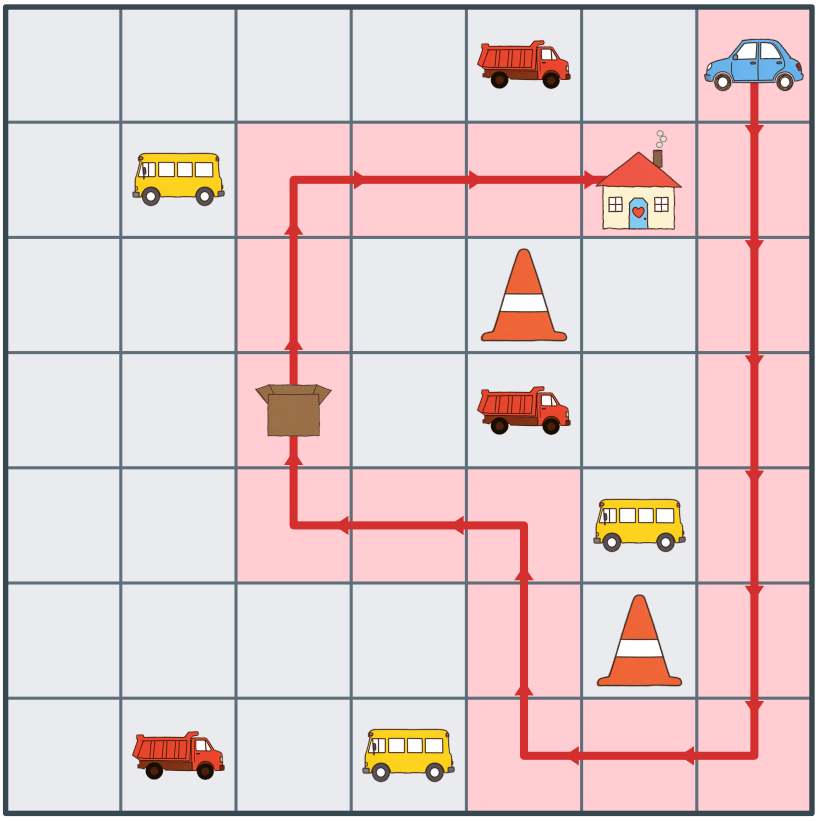
Coding with Loops Worksheet: Car to the House

Answer Key

Write the shortest code with loop blocks: an arrow and how many times to repeat it (x3 = three squares the same way).

left **right** **up** **down**

Pick up the package, then go to the house.



Your code (7 blocks at most):

1: ↓ x 6

2: ← x 2

3: ↑ x 2

4: ← x 2

5: ↑ x 3

6: → x 3

7: ☐ x ☐

Shortest code: 6 blocks. Other codes that work are right too.

Each block: draw an arrow, then write how many squares. Leave a block empty if you do not need it.

Test it: put a coin on the car and move it the way each block says. Did it get the package and reach the house?

yes **no**