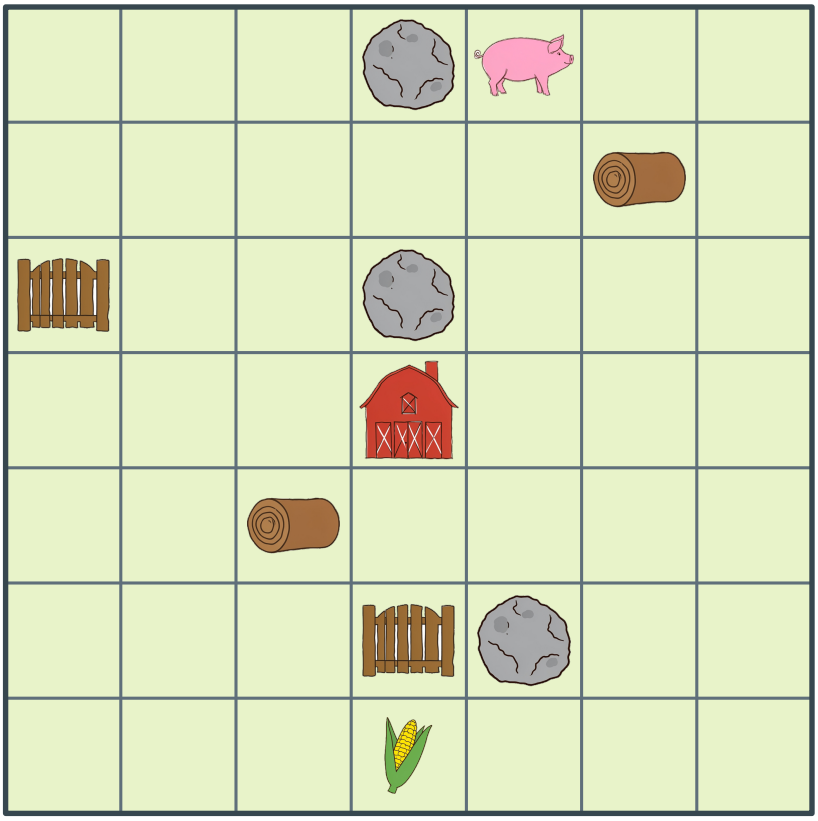
Coding with Loops Worksheet: Pig to the Barn

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 corn cob, then go to the barn.



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 pig and move it the way each block says. Did it get the corn cob and reach the barn?

yes **no**

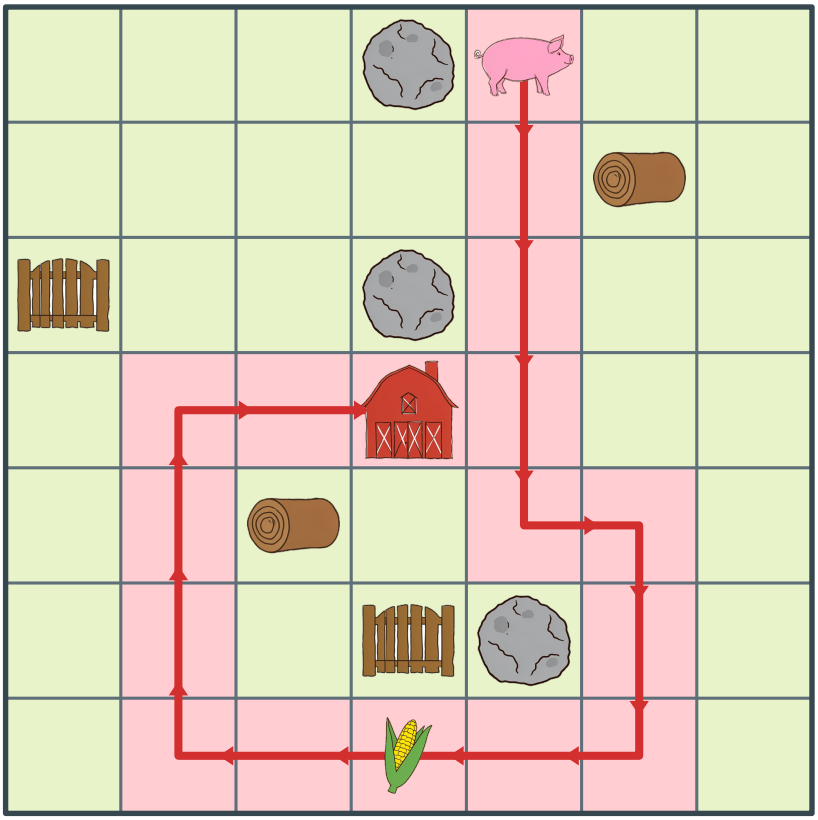
Coding with Loops Worksheet: Pig to the Barn

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 corn cob, then go to the barn.



Your code (7 blocks at most):

1: ↓ x 4
2: → x 1
3: ↓ x 2
4: ← x 4
5: ↑ x 3
6: → x 2
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 pig and move it the way each block says. Did it get the corn cob and reach the barn?

yes **no**