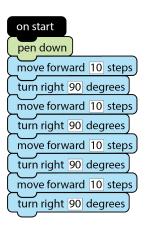# Problem of the Week
Problem B
Shelby's Code

Shelby is using block coding to draw different shapes.

(a) Her first program is shown. What shape will be drawn after running this program?

```
on start
pen down
move forward 10 steps
turn right 90 degrees
move forward 10 steps
turn right 90 degrees
move forward 10 steps
turn right 90 degrees
move forward 10 steps
turn right 90 degrees
```

(b) Using the given blocks, write a program to draw the same shape as Shelby's program, using fewer blocks. Notice that some blocks contain an empty box to be filled with a number.

Blocks	Program
move forward ☐ steps turn right ☐ degrees repeat ☐ times	on start pen down

(c) Using the given blocks, write a program to draw the following shape: ✚ You may use a block more than once.

Blocks	Program
move forward ☐ steps turn right ☐ degrees turn left ☐ degrees repeat ☐ times	on start pen down

THEMES   COMPUTATIONAL THINKING, GEOMETRY & MEASUREMENT