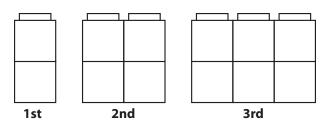
## Unifix Cube Sequence Problems page 1 of 2

Here are the first 3 arrangements in a sequence of Unifix cubes:



**1** Build and draw the 4th and 5th arrangements in the sequence.

4th Arrangement	5th Arrangement

**2** Use words and/or numbers to write 3 observations about this sequence so far.



**3** Sam says this sequence is a growing pattern. Do you agree with Sam? Why or why not?

(continued on next page)

. .

## Unifix Cube Sequence Problems page 2 of 2

**4** Draw the 10th arrangement in this sequence. You can build it first, or you can just draw how it will look.

**5** How many cubes did it take to make the 10th arrangement in the sequence?

It took \_\_\_\_\_ cubes to make the 10th arrangement.

**6 CHALLENGE** How many cubes would it take to make the 100th arrangement in this sequence? How do you know?

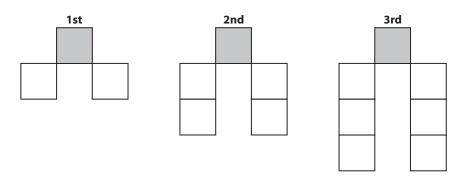
**7 CHALLENGE** How many cubes would it take to make the 149th arrangement in this sequence? Show your work.

NAME

\_ . .

## Tile Sequence Problems page 1 of 2

Here are the first 3 arrangements in a tile sequence:



**1** Build and draw the 4th and 5th arrangements in the sequence.

5th Arrangement

**2** Use words and/or numbers to write 3 observations about this sequence so far.

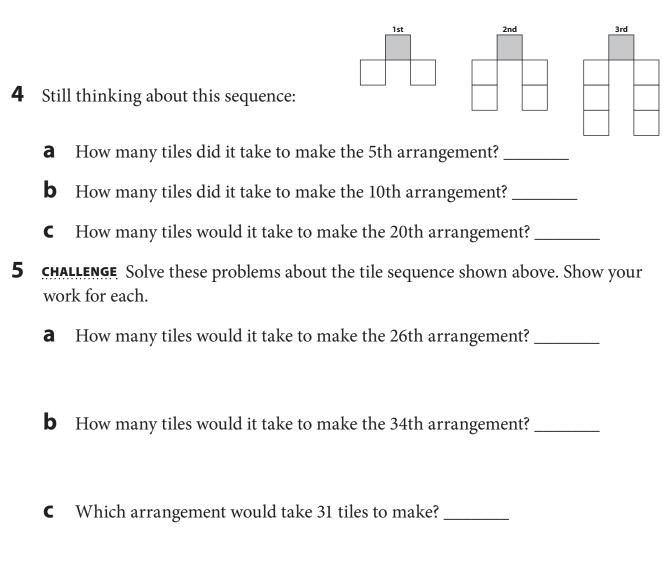
а		
b		
C	<u> </u>	
	(continued on next page	је)

. .

. .

## Tile Sequence Problems page 2 of 2

**3** Draw the 10th arrangement in this sequence. You can build it first, or you can just draw how it will look. (Hint: Make your sketch sideways to get it to fit.)



**6 CHALLENGE** What do you have to do to figure out how many tiles it takes to make any arrangement in the sequence above?

NAME

- . .

. . . .

- - - -