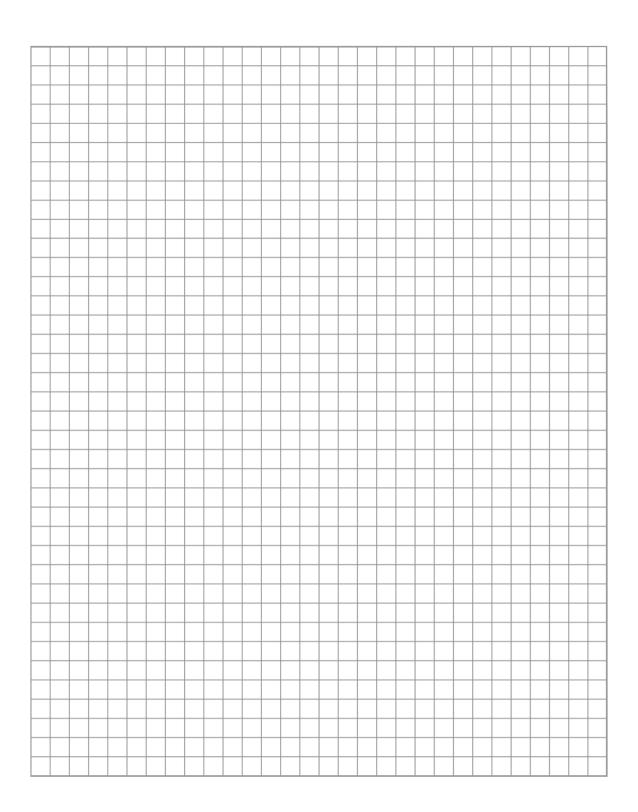
Na	me: Class Period: Date:
	Area with Dice Activity Sheet
Fo	rmula for the area of a triangle:
Fo	rmula for the area of a parallelogram:
of	e your micro:bit to generate random numbers for the base and height the following shapes, then calculate the total area of the shapes on't forget to include units of your choosing):
l.	A triangle of base and height has an area of
	Equation:
2.	A parallelogram of base and height has an area of
	Equation:
3.	A triangle of base and height has an area
	of
	Equation:
Ч.	A parallelogram of base and height has an area of
	Equation:
Us	e your micro:bit to generate a random number for the base of the
fo	llowing shapes, then calculate the height that would be needed to
re	sult in the given area:
5.	A parallelogram of base and an area 20 square meters of has a
	height of
	Equation:
6 .	A triangle of base and and an area 15 square centimeters of
	has a height of
	Equation:

7.	A para	allelogram (of base	and	an area	30 square fe	et of ha	s a
	heiaht	of						
	J	 ion:						
	•							
8.	A tria	ngle of base	ء ہ	and and	an area	24 square in	ches of I	nas a
	height	of						
	Equat	ion:			, , , , , , , , , , , , , , , , , , , 		 	
Sce	enario:							
us va de mo	assroor ast 4 so ur furn sks or ork spa e your riety o sks wil any as	m is 30 feet quare feet of iture, and of tables left! which is microspit to f tables and left! you need-brust ensure	tlong and of work spare surprise Your challe furniture generated desks. Your and what remembers	38 feet (ace. You ed to se enge is that is base ar ou may c nich will per, none	wide. Eachead to the create available de height be parale of your	can fit 24 standent with the store romere are no retained to you. measurement the total lelograms are tables can be space for the total control of the tota	ill need of om to chectangual classrounds for a lables and may une rectar	it noose lar Dom d se as
	•	our table sh spaces the	•			You may not	need to	use
	<u>angula</u>				_			
		Height:				Height:		
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Pa	rallelo	aram				J		
		Height:	Area: _		Base:_	Height:	Area:	
		Height:				Height:		
		 Height:				Height:		
		Height:				Height:		
		Height:				Height:		

Create your classroom design below. When you have finished, share your design with a classmate. What challenges did you encounter when designing your classroom?





Name:	Class Period:	Date:
	EXIT TICKET	
Scroll through the micro:bit https://makecode.microbit.o activities that you would lik activities?	<u>org/#</u> . List at least two r	nicro:bit coding