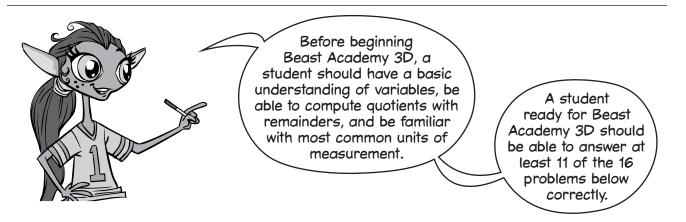


Are you ready for Beast Academy 3D?



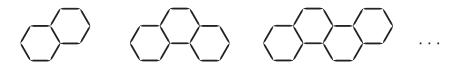
Step 1. The student should try to answer every question without a calculator and without help.
Step 2. Check the student's answers using the solutions at the end of this document.
Step 3. The student should be given a second chance on problems that he or she answered incorrectly.

Solve for the variable in each equation below:

1.	$54 = 9 \times W$	2.	37+ <i>n</i> = 115			1. <i>w</i> =
						2. <i>n</i> =
3.	Evaluate $w \times 10+$	-6 for $w = 45$.				3
4.	Evaluate 300-2	$\times k$ for $k = 10$.				4
5.	Simplify $9+y-4+$		5			
6.	Write an equation with the same meaning as the sentence below. Then, solve for m .					
		Seven less that	an m is sixty-six.			<i>m</i> =
7.	When 35 is divid number can be c		7			
8.	What is the side perimeter of 8 fe	-	of a regular hexag	on that has a		8
9.	What is the remainder when 24×17 is divided by 7?					9



10. Grogg arranges toothpicks to make hexagons as shown below. It takes 11 toothpicks to make 2 hexagons, 16 toothpicks to make 3 hexagons, and 21 toothpicks to make four hexagons. How many toothpicks will Grogg need to make 50 hexagons if he continues this pattern?



11. What will the time be 93 minutes *after* the time shown on the clock below?

11.

13.

14.

15.

16. ____

10.



12. Fill in the empty white squares in the puzzle below so that each of the five equations in the puzzle is true.

54	•	3	=	
		×		÷
30	÷		=	
		=		=
45	<u>.</u>	15	=	

- **13.** How many seconds are in two hours?
- **14.** How many inches are in five yards?
- **15.** The perimeter of a square is one meter. What is the length in centimeters of one side of the square?
- **16.** Dara has nine U. S. coins for a total of 68 cents. How many nickels does she have?