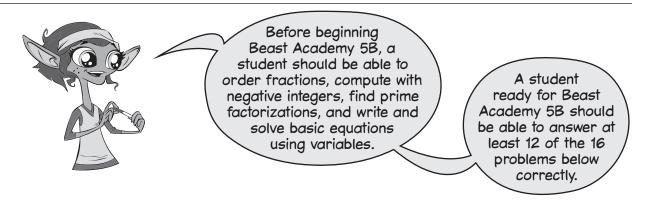


Are you ready for Beast Academy 5B?



Step 1. The student should try to answer every question without a calculator and without help.

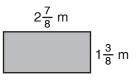
Step 2. Check the student's answers using the solutions at the end of this document.

Step 3. The student should be given a second chance on problems that he or she answered incorrectly.

1. Order the fractions below from least to greatest.

1	2	4	1	4	7
5	11	3	4	7	6

2. Compute the perimeter in meters of the rectangle below.



- **3.** List all of the factors of 42 that are also multiples of 3.
- **4.** What is the largest two-digit integer whose prime factorization includes exactly three 3's?

Evaluate each expression below.

- **5.** 7+3(-6) = ____ **6.** $\frac{8-2}{-4+1} = ___$ **7.** $-5 + \frac{(-1)^{15} \cdot 3 + 15}{-2(-3)} = ____$
- **8.** Circle the expressions below that are equal to -25.

$$-5^2$$
 $(-5)^2$ $-(5^2)$ $-(-5)^2$ (-5^2) $-(-5^2)$

9. Evaluate $\frac{3ab-4}{-c}$ when a = -4, b = 5, and c = -16.

9.

1.

3.

2.

4.



	Find the value of the variable in each equation below.						
10.	$\frac{3+n}{4} = 9$	11.	47+36 <i>k</i> =32 <i>k</i> +95	10. <i>n</i> =			
				11. <i>k</i> =			
12.	In the Circle Sum puzzle below, the of the numbers in the connected circ			12. <i>t</i> =			
13.	The combined cost of a mop and a j jumpsuit costs 3 dollars more than 5 how much does the jumpsuit cost?		/ it is 39 dollars. If the	13			
14.	A pyramid has exactly 12 edges. Wh	nat is th	ne shape of its base?	14			
15.	The solid below was created by atta surface area of the solid?	ching 6	o unit cubes. What is the	15			
16.	A triangular prism is attached to the What is the volume in cubic inches c	•		16			
		, ip					

