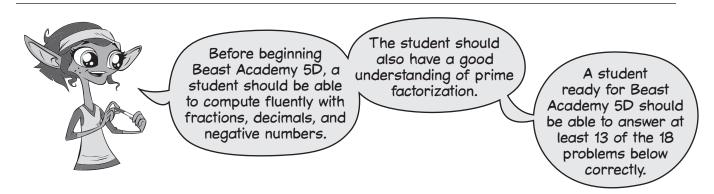
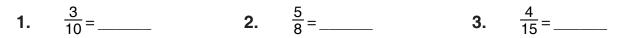


## Are you ready for Beast Academy 5D?



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.

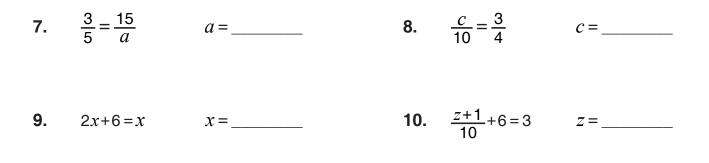
## Convert each fraction below into a decimal.



## Write each product below as a <u>mixed number</u> in simplest form.

**4.**  $0.85 \cdot 10 =$  **5.**  $\frac{7}{12} \cdot 90 =$  **6.**  $\frac{70}{3} \cdot 0.1 =$ 

## Solve for each variable below. Write fractional answers in simplest form.



**11.** Three more than five times n is 7. What is n? **11.** n = \_\_\_\_\_



Fill the blanks to complete each arithmetic sequence below. Write any terms that are not whole numbers as mixed numbers.

- **12.** 39, \_\_\_\_, \_\_\_, 53, \_\_\_\_, 67, ...
- **13.** 50, \_\_\_\_, 12, \_\_\_\_, \_\_\_, \_\_\_, -64, ...

Answer each of the questions below.

**14.** Fill in the blank below to make a true equation.

12•14•21•2=	
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15.	What is the smallest positive integer that can be multiplied by 0.4 to get an integer result?	1	5
16.	If we multiply all the terms in sequence below, will the result be positive or negative?	16	
	1, -2, 3, -4,, 29, -30, 31.		
17.	What is the power of 5 in the prime factorization of the number represented by the product below?	1	7
	5•10•15• ··· •90•95•100		
18.	The ratio of Edgar's age to Frank's age is 3:6. The sum of their ages is 36. How many years old is Edgar?	1	8

2