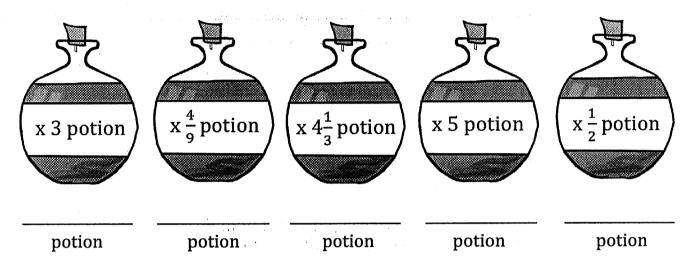
Dr. Von Scalenstein, the mad scientist, created sizing potions that can cause objects to grow or shrink. Five of his potions are shown below. Label each potion with the word growing or shrinking to show the effect of the potion.



Find the fraction of each number.

$$\frac{1}{9}$$
 of 48 = \_\_\_\_

$$\frac{1}{8}$$
 of  $48 =$   $\frac{1}{4}$  of  $24 =$ 

$$\frac{1}{6}$$
 of  $18 =$ \_\_\_\_

$$\frac{5}{8}$$
 of 48 = \_\_\_\_

$$\frac{5}{8}$$
 of 48 = \_\_\_\_

$$\frac{5}{6}$$
 of 18 = \_\_\_\_

Fill in the blanks. potes

4<sup>3</sup>

base: \_\_\_\_\_ exponent: \_\_\_\_

base: \_\_\_\_ exponent: \_\_\_\_

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base: \_\_\_\_ exponent: \_\_\_\_

base: \_\_\_\_ exponent: \_\_\_\_

 $8^5 =$  to the \_\_\_\_\_ power  $3^7 =$  to the \_\_\_\_\_ power

Find the products for at least three of the problems in the first row and two problems in the second row.

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Place a  $\checkmark$  next to the true statement.

$$\frac{9}{10} \times \frac{3}{3}$$

\_\_\_\_ The product is less than  $\frac{9}{10}$ .

\_\_\_\_ The product is equal to  $\frac{9}{10}$ .

\_\_\_\_ The product is greater than  $\frac{9}{10}$ .

$$\frac{4}{5} \times 3$$

\_\_\_\_ The product is less than  $\frac{4}{5}$ .

\_\_\_\_ The product is equal to  $\frac{4}{5}$ .

The product is greater than  $\frac{4}{5}$ .