

## 7- 3 MATH TALKS

### NUMBER TALK 2

| Statement A                                   | Statement B                                    | Statement C                                   |
|---|--|---|
| $3 \times \frac{1}{4} = 4 \times \frac{1}{3}$ | $2 \times \frac{3}{12} = 2 \times \frac{1}{4}$ | $2 \times \frac{1}{4} = 3 \times \frac{2}{8}$ |

False

True

False

| Statement D   | Statement E   | Statement F   |
|---|---|---|
| $\frac{1}{2} \times \frac{1}{4} = 4 \times \frac{1}{2}$ | $2 \times \frac{1}{4} = \frac{1}{4} \div \frac{1}{2}$ | $\frac{1}{2} \div \frac{1}{4} = 4 \times \frac{1}{2}$ |

False

True

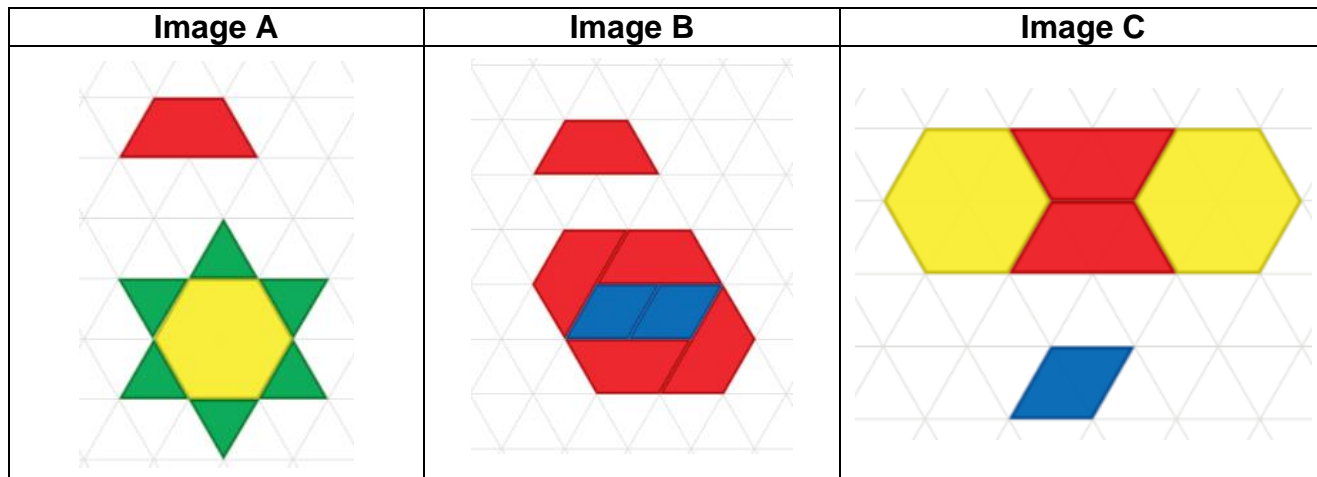
False

- Students determine if each numerical equation is true or false. Encourage them to think deeply about the relationships within and among expressions to determine if they are equivalent or not. Discuss one or two statements per day.

***Is the statement true or false? Be prepared to explain your reasoning with words, numbers, and symbols.***

## PICTURE TALK 2

All ratios below involve areas



trapezoid to the large figure  
is 1 : 4

trapezoid to the large figure  
is  $1 : 5\frac{1}{3}$

rhombus to the large figure is 1 : 9

- Images of pattern blocks afford opportunities to compare ratios of the areas of geometric figures. Display one image per day. Provide a few pattern blocks if possible, so students can physically compare shapes. Encourage the use of ratio language.

***What is the relationship between the two figures? How do you know?***

Answers will vary. Examples are shown above.