

Grade 5 Unit 6

Lesson 18

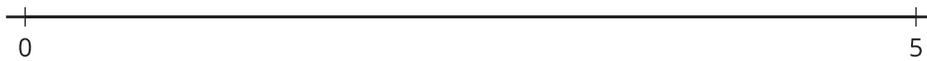
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Unit 6 Lesson 18: Compare Without Multiplying

WU Notice and Wonder: Expressions and Number Lines (Warm up)

Student Task Statement

What do you notice? What do you wonder?



$$\frac{2}{3} \times 5$$

1 Approximate Location

Student Task Statement

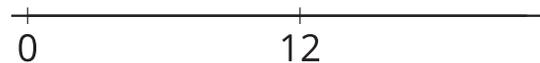
- Label each expression at its approximate location on the number line.

Partner A

a. $\frac{2}{5} \times 12$

b. $\frac{5}{3} \times 12$

c. $\frac{7}{7} \times 12$

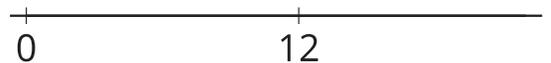


Partner B

a. $\frac{4}{7} \times 12$

b. $\frac{8}{5} \times 12$

c. $\frac{9}{9} \times 12$



- Choose a number to put in each box to make the statement true.

a. $\frac{\square}{11} \times 12 > 12$

b. $\frac{\square}{15} \times 12 = 12$

c. $\frac{13}{\square} \times 12 < 12$

2 An Unknown Number

Student Task Statement



1.

The number A is shown on the number line. Label the approximate location of the value of each expression. Explain or show your reasoning.

- $\frac{1}{4} \times A$
 - $2 \times A$
 - $\frac{13}{8} \times A$
 - $\frac{2}{3} \times A$
2. Is $\frac{13}{8} \times \frac{11}{39}$ less than, greater than, or equal to $\frac{11}{39}$? Explain or show your reasoning.
3. Is $\frac{2}{3} \times \frac{17}{53}$ less than, greater than, or equal to $\frac{17}{53}$? Explain or show your reasoning.