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Grade 5, Unit 6, Section C: Additional Practice Problems

1. Circle $<$ or $>$ to make the inequality true.

a. $\frac{5}{6} \times 13$ $<$ OR $>$ 13

b. $\frac{4}{3} \times 21$ $<$ OR $>$ 21

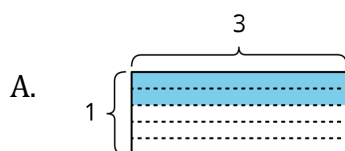
c. $\frac{2}{7} \times 9$ $<$ OR $>$ 9

d. $\frac{12}{11} \times 83$ $<$ OR $>$ 8

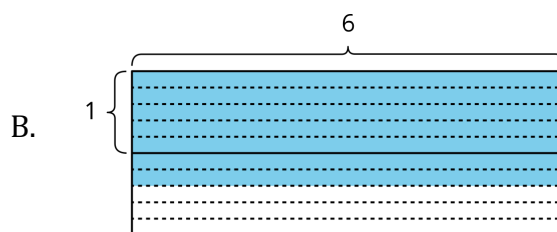
(From Unit 6, Lesson 16.)

2. Match each diagram to its expression.

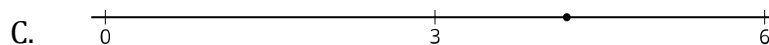
• $\frac{2}{5} \times 3$



• $\frac{7}{5} \times 3$



• $\frac{2}{5} \times 6$



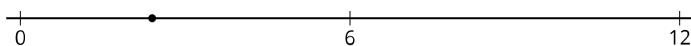
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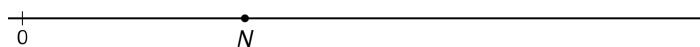
$$\bullet \quad \frac{7}{5} \times 6$$

D.

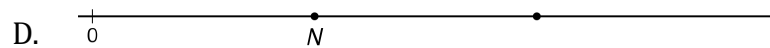
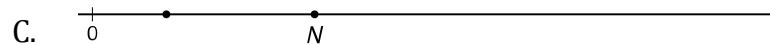
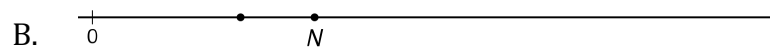
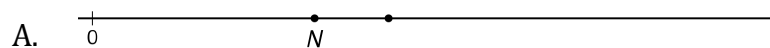


(From Unit 6, Lesson 17.)

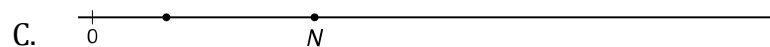
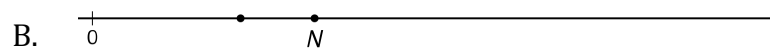
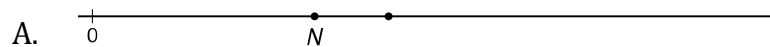
3. Point N is labeled on the number line.



a. Which number line shows $\frac{2}{3} \times N$?



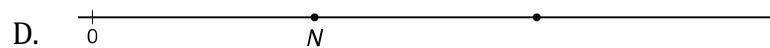
b. Which number line shows $\frac{4}{3} \times N$?



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(From Unit 6, Lesson 18.)

4. Compare the value of each expression to $\frac{8}{25}$.

		greater than $\frac{8}{25}$	less than $\frac{8}{25}$
a.	$\frac{2}{9} \times \frac{8}{25}$		
b.	$\left(1 - \frac{12}{22}\right) \times \frac{8}{25}$		
c.	$\frac{55}{11} \times \frac{8}{25}$		

(From Unit 6, Lesson 19.)

5. Which statements are always true?

Select **all** that apply.

A. Multiplying a fraction by a greater fraction gives a product greater than 1.

B. Multiplying a fraction greater than 1 by a number also greater than 1 makes the fraction larger.

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- C. Multiplying a fraction greater than 1 by 1 makes the fraction larger.
- D. Multiplying a fraction greater than 1 by a number less than 1 makes the fraction smaller.
- E. Multiplying a fraction less than 1 by 1 makes the fraction smaller.

(From Unit 6, Lesson 20.)

6. EXPLORATION

Elena, Noah, and Kiran went on different hikes. Use the clues to find out how many more kilometers Noah hiked compared to Kiran.

- Noah hiked 114 as far as Elena hiked.
- Kiran hiked 34 as far as Noah.
- Elena hiked 6,750 meters.

How many more **kilometers** did Noah hike than Kiran?