

Tahnoon Bin Mohammed School

Unit 10 Math

Unit Assessment

Name _____

1. Which is the product?

$$\frac{5}{9} \times 6 = ?$$

A. $\frac{30}{9}$

B. $\frac{9}{30}$

C. $\frac{30}{54}$

D. $\frac{5}{54}$

2. Which is the product?

$$4\frac{1}{6} \times 2\frac{3}{4} = ?$$

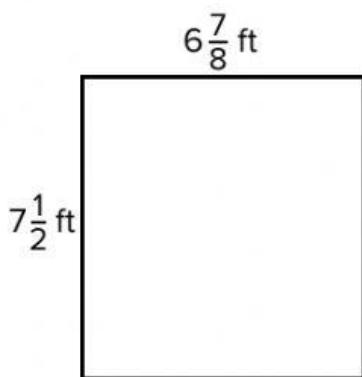
A. $11\frac{11}{24}$

B. $8\frac{3}{24}$

C. $6\frac{11}{12}$

D. $4\frac{3}{24}$

3. Which is the area of the rectangle?



- A. $28\frac{3}{4}$ square feet B. $42\frac{7}{16}$ square feet
C. $43\frac{3}{16}$ square feet D. $51\frac{9}{16}$ square feet

4. Which expressions have a product that is greater than the first factor? Choose all that apply.

A. $4 \times \frac{4}{3}$

B. $7 \times \frac{2}{8}$

C. $8 \times \frac{1}{4}$

D. $6 \times \frac{10}{9}$

- 5. Which is the product?**

$$\frac{1}{8} \times \frac{3}{4} = ?$$

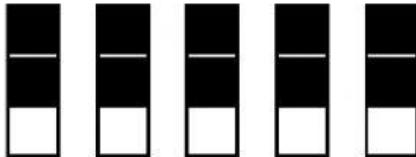
- A. $\frac{6}{8}$ B. $\frac{4}{12}$
C. $\frac{3}{32}$ D. $\frac{4}{32}$

6. Daria spends $\frac{1}{4}$ of her tickets at the fair on rides. Of those tickets, she spends $\frac{5}{6}$ on roller coasters. What fraction of her tickets does Daria spend on roller coaster rides?

7. Dmitri walked 18 miles last week. He walked $\frac{1}{6}$ of the distance on Monday. How many miles did Dmitri walk on Monday?

A. 2 miles B. 3 miles
C. 6 miles D. 9 miles

8. Which multiplication equation is shown by the black shading in the model?



- A. $\frac{2}{3} \times 5 = \frac{10}{3}$
 - B. $\frac{2}{3} \times 5 = \frac{10}{15}$
 - C. $\frac{2}{5} \times 3 = \frac{6}{5}$
 - D. $\frac{2}{5} \times 3 = \frac{6}{15}$

Unit 10**Unit Assessment, Form B** (continued)

Name _____

9. Which is the product?

$$4 \frac{2}{4} \times 2 \frac{3}{4} = ?$$

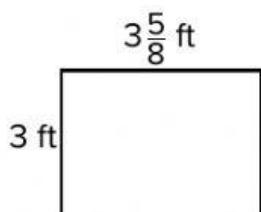
A. 15

B. $12 \frac{6}{16}$

C. $8 \frac{6}{16}$

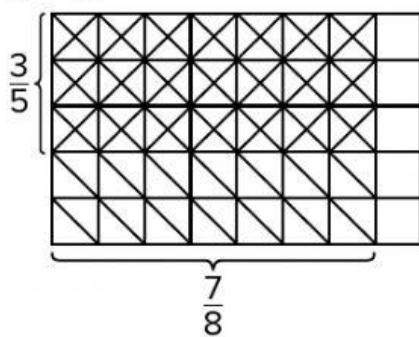
D. $8 \frac{5}{8}$

10. What is the area of the rectangle?



11. What is the product? Use the representation to solve.

$$\frac{3}{5} \times \frac{7}{8} = ?$$



A. $\frac{21}{40}$

B. $\frac{24}{40}$

C. $\frac{35}{40}$

D. $\frac{38}{40}$

12. Iminathi uses $6 \frac{1}{2}$ quarts of paint. Yusuf uses $2 \frac{1}{8}$ times as many quarts of paint as Iminathi. How many quarts of paint does Yusuf use?

A. $6 \frac{3}{16}$ quarts

B. $8 \frac{10}{16}$ quarts

C. $12 \frac{1}{16}$ quarts

D. $13 \frac{13}{16}$ quarts