

Tahnoon Bin Mohammed school

Unit 10 Math

Unit Assessment

Name _____

1. What is the product? Use a representation to solve.

$$\frac{2}{7} \times 4 = ?$$

A. $\frac{7}{8}$

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

C. $\frac{12}{28}$

D. $\frac{2}{28}$

2. What is the product?

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

A. 6

B. $6\frac{3}{16}$

C. $8\frac{3}{16}$

D. $8\frac{15}{16}$

3. What is the area of the rectangle?

$$8\frac{1}{2} \text{ ft}$$



$$4\frac{1}{3} \text{ ft}$$

A. $25\frac{2}{3}$ square feet

B. $32\frac{1}{6}$ square feet

C. $34\frac{5}{6}$ square feet

D. $36\frac{5}{6}$ square feet

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

A. $2 \times \frac{3}{4}$

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

C. $16 \times \frac{5}{4}$

D. $5 \times \frac{10}{9}$

5. Which is the product?

$$\frac{2}{3} \times \frac{3}{10} = ?$$

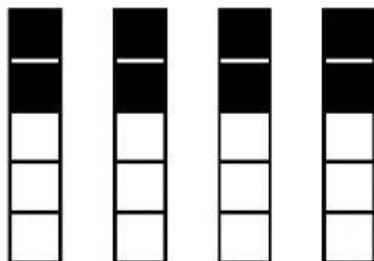
A. $\frac{5}{30}$ B. $\frac{6}{30}$
C. $\frac{1}{13}$ D. $\frac{5}{13}$

6. Mr. Cipriano spends $\frac{1}{3}$ of his time at school teaching biology. Of that time, he spends $\frac{2}{5}$ on class discussion. What fraction of his time at school does Mr. Cipriano spend on biology class discussion?

7. Kim worked for 9 hours yesterday. She ate lunch after working $\frac{1}{3}$ of her hours. How many hours did Kim work before she ate lunch?

A. 1 hour B. 2 hours
C. 3 hours D. 6 hours

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



A. $\frac{2}{5} \times 4 = \frac{8}{5}$
B. $\frac{2}{5} \times 4 = \frac{8}{20}$
C. $\frac{2}{3} \times 4 = \frac{8}{12}$
D. $\frac{2}{3} \times 4 = \frac{8}{3}$

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

Name _____

9. What is the product?

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

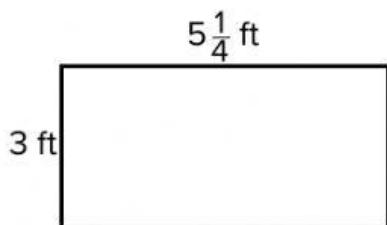
A. 18

B. $16 \frac{8}{9}$

C. $12 \frac{3}{6}$

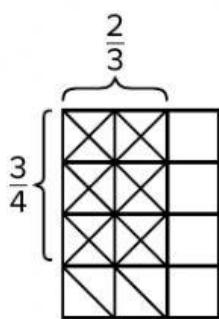
D. $12 \frac{2}{9}$

10. What is the area of the rectangle?



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

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



A. $\frac{6}{12}$

B. $\frac{9}{12}$

C. $\frac{5}{7}$

D. $\frac{6}{7}$

12. Skye picks $3 \frac{1}{2}$ pints of blueberries. Kate picks $2 \frac{1}{4}$ times as many pints as Skye. How many pints of blueberries does Kate pick?

A. $5 \frac{3}{4}$ pints

B. $6 \frac{1}{8}$ pints

C. $7 \frac{7}{8}$ pints

D. 8 pints