

Unit 11

Unit Assessment, Form B

Name _____

1. Choose the representation that shows $3 \times \frac{4}{5} = \frac{12}{5}$.

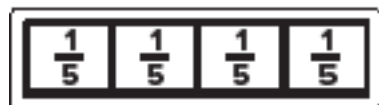
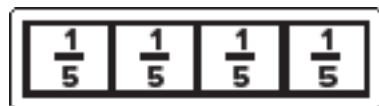
A.



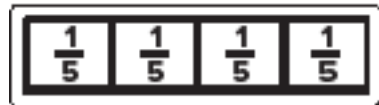
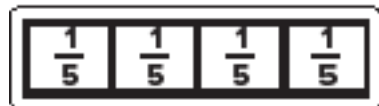
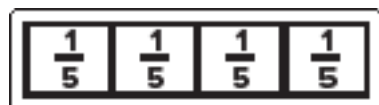
C.



B.



D.



2. Every year, Haniya makes her vegetable garden $\frac{1}{10}$ meter longer.

How long, in meters, will the vegetable garden be after 6 years?

A. $\frac{1}{60}$ meter

B. $\frac{6}{60}$ meter

C. $\frac{6}{10}$ meter

D. $\frac{7}{10}$ meter

3. Dylan builds model cars for $\frac{5}{6}$ hour after he finishes his chores. For 7 days, he builds model cars after doing his chores. How many hours does Dylan spend building model cars over the 7 days?

A. $\frac{35}{42}$ hour

B. 5 hours

C. $5\frac{5}{6}$ hours

D. $6\frac{5}{6}$ hours

Unit 11
Unit Assessment, Form B (continued)

Name _____

8. Padma uses $2\frac{1}{4}$ cups of whole wheat flour to make sandwich buns. She makes 4 batches of sandwich buns each week. How much flour does she use after 4 weeks?

9a. Fill in the missing number to find the product.

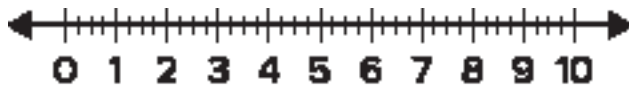
$$5 \times \frac{1}{3}$$

There are _____ equal groups of $\frac{1}{3}$.

b. Multiply.

$$5 \times \frac{1}{3} = \underline{\hspace{2cm}}$$

10. Anastasia makes 9 servings of salad. She uses $\frac{2}{4}$ cup of cherry tomatoes and $\frac{1}{4}$ cup of baby carrots per serving. How many cups of vegetables will she need for all 9 servings? Use the number line to solve.



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

B. $2\frac{1}{4}$ cups

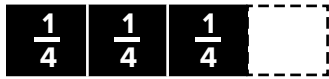
C. $6\frac{3}{4}$ cups

D. $4\frac{2}{4}$ cups

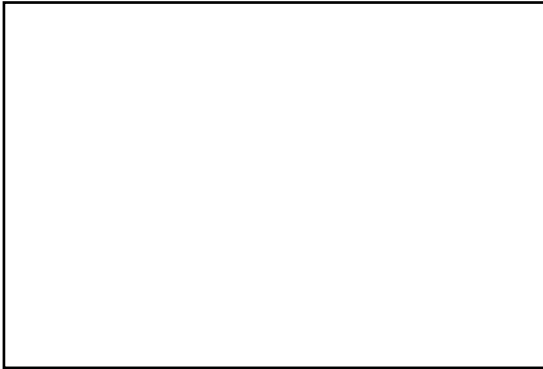
11. Michelle picks $2\frac{5}{6}$ quarts of blackberries on Monday. On Tuesday, she picks 4 times as many blackberries as on Monday. How many quarts of blackberries did she pick on Tuesday?

12. Evan uses $\frac{2}{3}$ quart of compost in each of his 10 plants. How many quarts of compost does Evan use for his plants? Draw a fraction model to show your work.

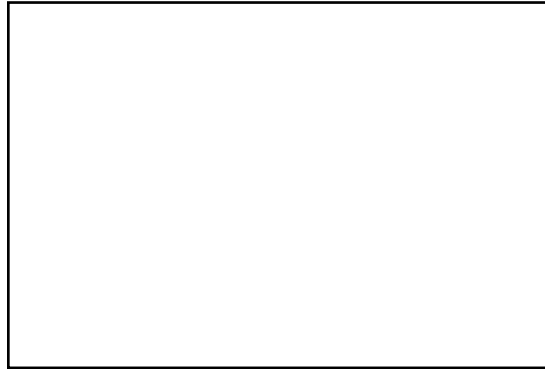
- 13a. Reece plays in the park for $\frac{3}{4}$ hour after school. Selena plays in the park 3 times longer than Reece. Draw how many sets of fraction tiles shown represent Reece's and Selena's time playing in the park.



Reece



Selena



- b. How many hours does Selena play at the park?

14. Show 3 methods to find $3 \times 4\frac{1}{5}$.