

# Tahnoon Bin Mohammed School

Unit 4

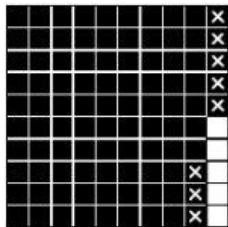
## Math Unit Assessment, Form A

Name \_\_\_\_\_

1. Where Robert lives, the average high temperature in July is  $87.4^{\circ}\text{F}$ . The average low temperature in July is  $64.8^{\circ}\text{F}$ . Which equation best estimates the difference between the average high and low temperatures in July?

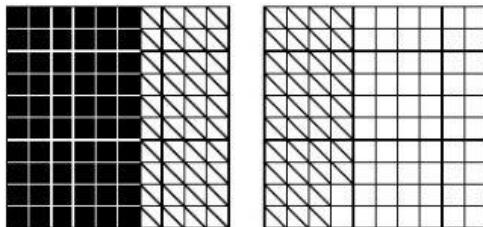
- A.  $87 - 65 = 22$
- B.  $88 - 64 = 24$
- C.  $88 - 65 = 23$
- D.  $87 - 64 = 23$

2. What equation is shown by the decimal grid?



- A.  $1 - 0.05 = 0.95$
- B.  $0.95 - 0.08 = 0.87$
- C.  $0.95 - 0.8 = 0.87$
- D.  $0.87 - 0.08 = 0.79$

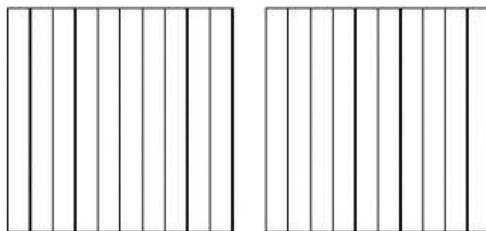
3. What equation is represented by the decimal grids?



$$0.6 + \underline{\quad} = \underline{\quad}$$

4. What is the sum? Use the decimal grids to solve.

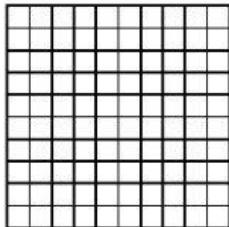
$$0.6 + 0.2 = \underline{\quad}$$



- A. 0.08
- B. 0.62
- C. 0.8
- D. 6.2

5. What is the difference? Use the decimal grid to solve.

$$0.7 - 0.12 = \underline{\quad}$$



- A. 0.05
- B. 0.58
- C. 0.62
- D. 0.82

6. Which of the following is a correct way to find  $26.34 + 12.53$ ?

Choose all that apply.

- A.  $2 + 1 + 6 + 2 + 3 + 5 + 4 + 3$
- B.  $2 + 1 + 6 + 2 + 0.3 + 0.5 + 0.4 + 0.3$
- C.  $20 + 10 + 6 + 2 + 0.3 + 0.5 + 0.04 + 0.03$
- D.  $26 + 12 + 0.34 + 0.53$

## Unit 4

### Unit Assessment, Form A (continued)

Name \_\_\_\_\_

7. Francesca has a recipe that calls for 0.7 cup of milk and 0.42 cup of chicken broth. How many cups of liquid does Francesca need for the recipe?

A. 0.28 cup  
B. 0.32 cup  
C. 0.49 cup  
D. 1.12 cups

8. At the long-jump event, Ben's first jump was 6.2 meters. His second jump was 5.9 meters. How much longer was his first jump?

A. 0.3 meter  
B. 0.7 meter  
C. 1.7 meters  
D. 12.1 meters

9. Margaret walked 2.38 miles yesterday. She walked 1.19 miles today. About how many miles did Margaret walk both days?

10. A new pencil is 22.85 centimeters long. A pencil that Rick has been using is now 12.73 centimeters long. About how much longer is the new pencil?

11. Isla makes 2.7 liters of lemonade. After serving lemonade to her friends, she has 0.19 liter left. How many liters of lemonade did Isla serve to her friends?

**12.** Hannah and her father catch two fish. The first fish weighs 3.5 pounds. The second fish weighs 0.42 pound less than the first fish. What is the combined weight of the two fish?

**13.** Zeke and his brother had dinner at their favorite restaurant. The total cost for their two entrees was \$41.33. The cost of Zeke's meal was \$12.99. What was the cost of his brother's meal? Which strategy did you use to solve?

**14.** A cable that is 18.73 meters long is to be connected to another cable that is 12.46 meters long. What will be the length of the new cable? Which strategy did you use to solve?

**15.** A spool contains 45.5 meters of wire. Raphael uses 28.82 meters of the wire for a project. What is the length of the wire left on the spool? Explain how you found your answer. Which strategy did you use to solve?

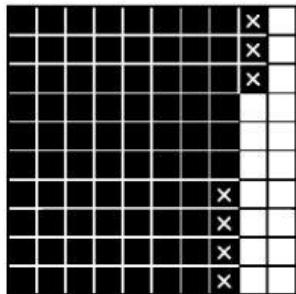
# Unit Assessment, Form B

Name \_\_\_\_\_

1. Where Richard lives, the average high temperature in March is 53.7°F. The average low temperature in March is 42.1°F. Which equation best estimates the difference between the average high and low temperatures in March?

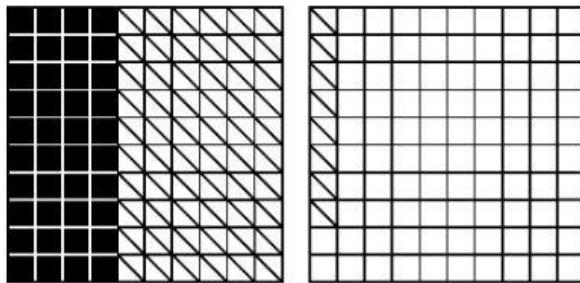
- A.  $54 - 42 = 12$
- B.  $53 - 43 = 10$
- C.  $53 - 42 = 11$
- D.  $54 - 43 = 11$

2. What equation is shown by the decimal grid?



- A.  $1 - 0.17 = 0.83$
- B.  $0.83 - 0.07 = 0.76$
- C.  $0.83 - 0.7 = 0.76$
- D.  $0.76 - 0.08 = 0.68$

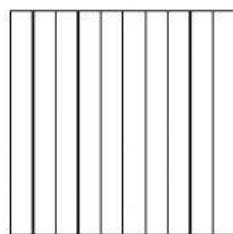
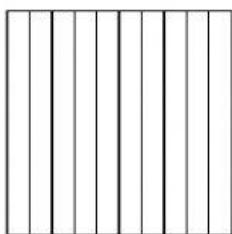
3. What equation is represented by the decimal grids?



$$0.4 + \underline{\quad} = \underline{\quad}$$

4. What is the sum? Use the decimal grids to solve.

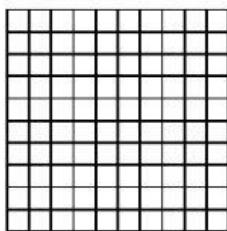
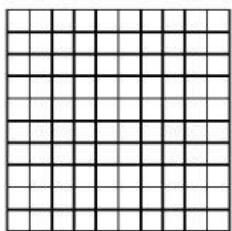
$$0.5 + 0.3 = \underline{\hspace{2cm}}$$



- A. 0.08
- B. 0.53
- C. 0.8
- D. 5.3

5. What is the difference? Use the decimal grids to solve.

$$0.8 - 0.32 = \underline{\hspace{2cm}}$$



- A. 0.24
- B. 0.48
- C. 0.52
- D. 1.12

6. Which of the following is a correct way to find  $35.76 + 14.53$ ? Choose all that apply.

- A.  $3 + 1 + 5 + 4 + 7 + 5 + 6 + 3$
- B.  $3 + 1 + 5 + 4 + 0.7 + 0.5 + 0.6 + 0.3$
- C.  $30 + 10 + 5 + 4 + 0.7 + 0.5 + 0.06 + 0.03$
- D.  $35 + 14 + 0.76 + 0.53$

## Unit 4

### Unit Assessment, Form B (continued)

Name \_\_\_\_\_

7. Jenny has a recipe that calls for 0.84 cup of milk and 0.6 cup of chicken broth. How many cups of liquid does Jenny need for the recipe?

A. 0.24 cup  
B. 0.82 cup  
C. 0.9 cup  
D. 1.44 cups

8. At the pole-vault event, Bill's first height that he cleared was 2.8 meters. The second height he cleared was 3.2 meters. How much higher was the second height Bill cleared?

A. 0.4 meter  
B. 0.6 meter  
C. 1.6 meters  
D. 6 meters

9. Mindy rode 12.38 miles yesterday. She rode 11.19 miles today. About how many miles did Mindy ride both days?

10. A new crayon is 14.82 centimeters long. A crayon that Rhonda has been using is now 5.73 centimeters long. About how much longer is the new crayon?

11. Janice makes 2.4 liters of iced tea. After serving the iced tea to her guests, she has 0.29 liter left. How many liters of iced tea did Janice serve to her guests?

**12.** Alejandro buys two watermelons. One of the watermelons weighs 4.5 pounds. The second watermelon weighs 0.38 pound less than the first watermelon. What is the combined weight of the two watermelons?

**13.** Zoe buys two items at the store. She spends a total of \$61.25. One item costs \$35.92. What is the cost of the second item? Which strategy did you use to solve?

**14.** Judy has two lengths of string. One of the strings is 12.74 centimeters long. The second length of string is 17.52 centimeters long. Judy ties the two pieces of string together. What is the length of the string? Which strategy did you use to solve?

**15.** The fifth-grade class paints a mural that covers 35.2 square feet. The fourth-grade class paints a mural that covers 27.67 square feet. How much more wall space does the mural painted by the fifth-grade class cover? Which strategy did you use to solve?