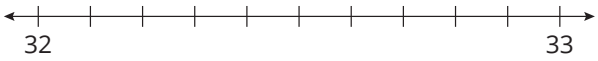
Enhanced End of Topic Assessment

Name _____ Date _____

Part A: Multiple-Choice Questions

1. Ronald correctly labeled the numbers 32.6, $32\frac{1}{4}$, 32.98, and $32\frac{4}{5}$ on the number line below.



Which number was located closest to 32?

a. 32.6

b. $32\frac{1}{4}$

c. 32.98

d. $32\frac{4}{5}$

2. The heights, in meters, of a collection of plants are shown in the table.

Plant	Height (in meters)
A	$\frac{3}{2}$
B	0.65
C	$\frac{6}{10}$
D	1
E	0.06

Which list shows the plants in order from the tallest plant to the shortest plant?

a. A, D, C, B, E

b. D, A, C, B, E

c. A, D, B, C, E

d. A, D, C, E, B

3. A painter took 112.5 hours to complete a task. A second painter will take 2.5 times as long to complete the task. Based on the information, which statement is true?

a. The task will take the second painter 115 hours to complete, because 112.5 + 2.5 = 115.

b. The task will take the second painter 120.5 hours to complete, because 112.5 + 2.5 = 120.5.

c. The task will take the second painter 281.25 hours to complete, because 112.5 · 2.5 = 281.25.

d. The task will take the second painter 301.25 hours to complete, because 112.5 · 2.5 = 301.25.

4. You want to mail a rectangular gift box that has a volume of 95 cubic inches. You need enough packing material to fill the entire box. The packing material costs $0.012 per cubic inch. About how much does it cost to buy enough packing material to fill the entire box?

a. $1.08

b. $1.14

c. $11.20

d. $11.40

5. A rectangle has an area of 90 square centimeters and a height of 12.5 centimeters. What is the length of the base?

a. 7.2 cm

b. 72 cm

c. 112.5 cm

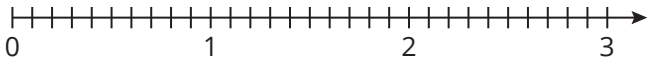
d. 1125 cm

Part B: Open-Response Questions

6. Plot a point to represent each value on the number line shown. Label each point with the value.

a. $\frac{1}{4}$ **b.** $1\frac{2}{5}$ **c.** $\frac{3}{10}$

d. $2\frac{1}{2}$ **e.** 0.88 **f.** 1.11



7. Olympic runners can complete the 400-meter dash in under one minute. The best times (in seconds) for eight Olympic runners are shown. List the times in order from the fastest time to the slowest time.

45.6	46.67	47.22	46.4
46.309	45.39	46.18	47.9

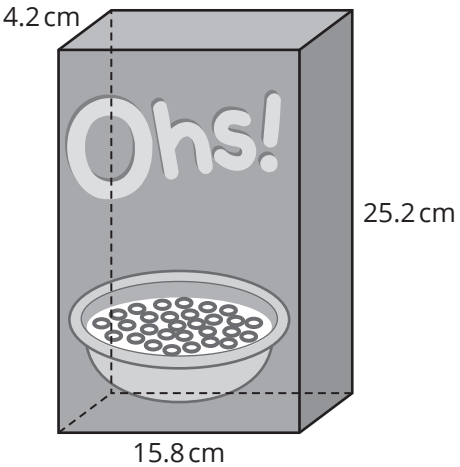
8. What is the value of $3.6 \cdot 0.17$?

9. Colin put the following items in his shopping cart at the warehouse store.

2 bottles of dish detergent	$5.39 per bottle
Laundry soap	$17.97 per bottle
4 packages of bar soap	$8.75 per package
2 packages of paper towels	$22.49 per package
3 packages of facial tissues	$12.77 per package

How much will Colin spend on dish detergent, laundry soap, and bar soap?

10. The Ohs! cereal box is a right rectangular prism with the given dimensions in centimeters. What is the volume of the cereal box in cubic centimeters?



11. What is the value of 6.1 ÷ 2.5?

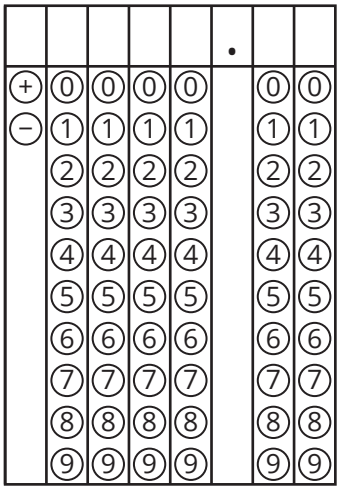
12. Crunchy Chewy snack mix comes in a box of 12 single-serve bags for $15.48. You and two friends purchase 2 boxes of Crunchy Chewy snack mix. You split the cost between the three of you. How much does each person pay?

Part C: Griddable Response Questions

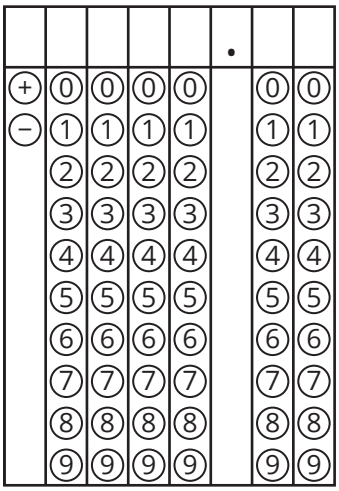
Record your answers and fill in the bubbles. Be sure to use the correct place value.

13. Eight gymnastics floor scores for NCAA gymnastics are given. The gymnast with the highest score receives first place. Which is the score of the gymnast who finished in third place?

9.85, 9.9, 9.975, 9.95, 9.725, 9.80, 9.75, 9.775



14. What is the value of 4.6 · 1.3?



15. Sonia loves to serve granola as a topping on yogurt cups. She has a total of 46.25 ounces of granola. How many servings of granola does Sonia have if one serving is 2.5 ounces?