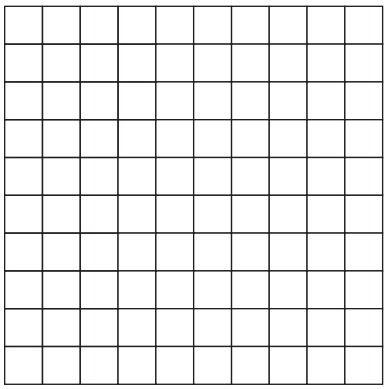
Pre-Test

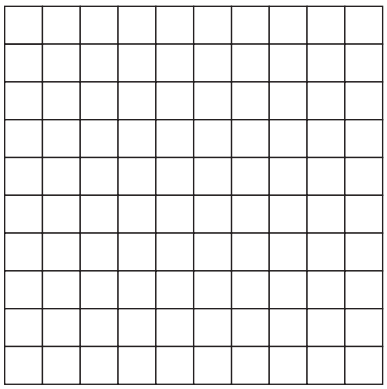
NAME _____ DATE _____

Use the given hundredths grid to represent each decimal. Then, write an equivalent fraction for each decimal.

1. 0.34



2. 0.02



Write each decimal.

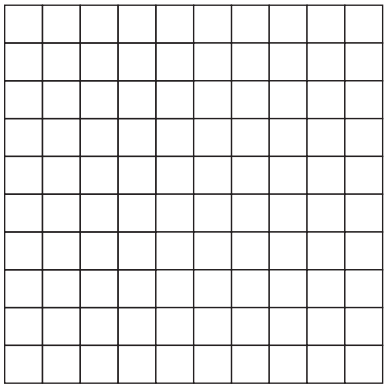
3. one and four hundredths

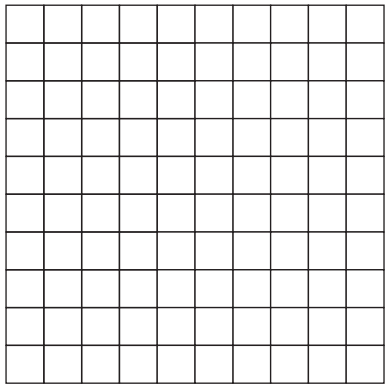
4. twelve and three tenths

5. nine thousandths

Represent each decimal using a hundredths grid. Then, compare the decimals by writing $>$, $<$, or $=$ in the circle.

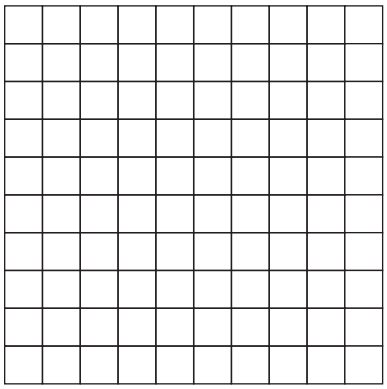
6.

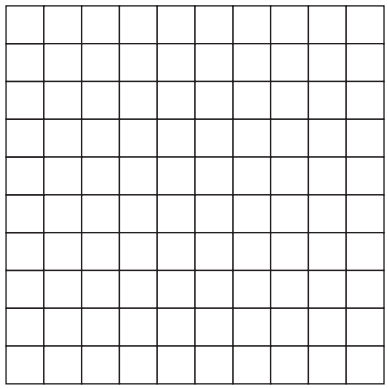




0.45 ◯ 0.46

7.





0.9 ◯ 0.09

8. Order the decimals from greatest to least.

418.93	417.99	418.04	417.65
415.76	417.51	416.71	417.09

NAME _____ DATE _____

Write each fraction as a decimal. Round to the nearest thousandth.

9. $\frac{7}{8}$ **10.** $\frac{1}{3}$ **11.** $\frac{7}{9}$ **12.** $\frac{1}{6}$

Estimate each sum or difference to the nearest whole number. Explain your reasoning.

13. 6.923 + 4.236 + 23.006

14. 872.093 − 14.981

4

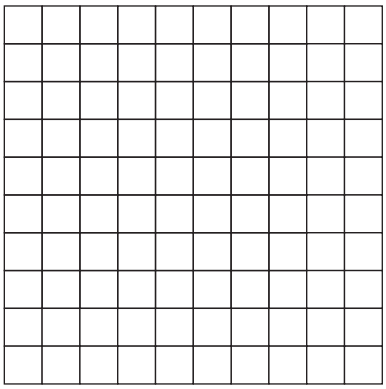
Calculate the exact sum or difference.

15. 6.923 + 4.236 + 23.006

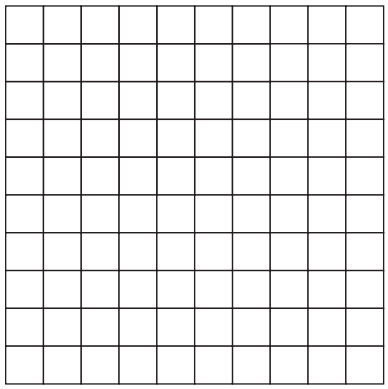
16. 872.093 − 14.981

Use the hundredths grid to calculate each product.

17. 4×0.16



18. 7×0.05



Estimate each quotient. Then, calculate the exact answer. Round to the nearest thousandth.

4

19. $7.9 \div 2.1$

20. $99.2 \div 26.2$

21. $11.6 \div 4.4$

22. $23.4 \div 0.6$

Place the decimal point in each quotient to make the division sentence true.

23. $29.4 \div 0.4 = 735$

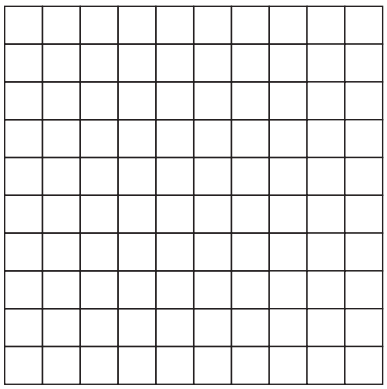
24. $8.66 \div 0.64 = 1353125$

Post-Test

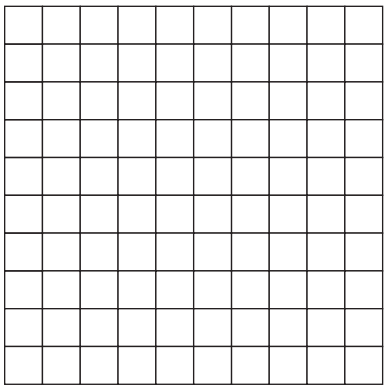
NAME _____ DATE _____

Use the given hundredths grid to represent each decimal. Then, write an equivalent fraction for each decimal.

1. 0.77



2. 0.08



Write each decimal.

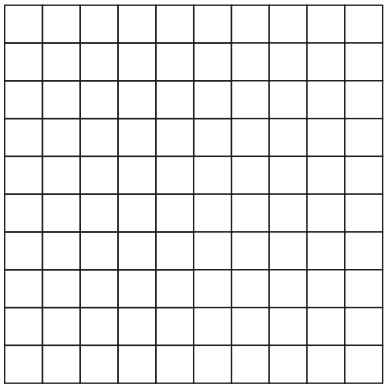
3. three and two hundredths

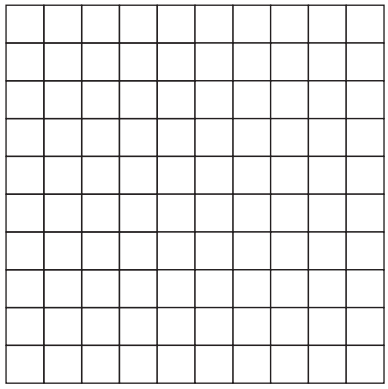
4. fourteen and nine tenths

5. seven thousandths

Represent each decimal using a hundredths grid. Then, compare the decimals by writing $>$, $<$, or $=$ in the circle.

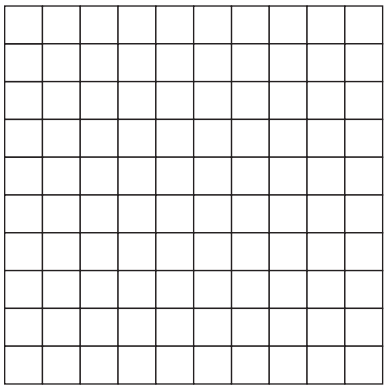
6.

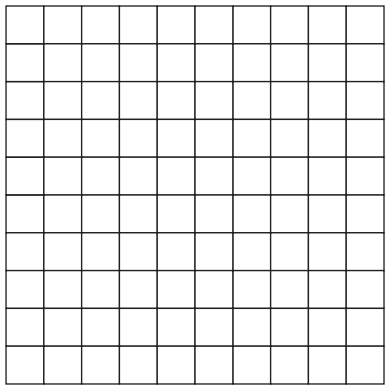




0.54 ◯ 0.45

7.





0.05 ◯ 0.06

8. Order the decimals from greatest to least.

927.49	926.96	927.07	926.56
924.87	926.15	925.74	926.02

4

Post-Test

NAME _____ DATE _____

Write each fraction as a decimal. Round to the nearest thousandth.

9. $\frac{3}{8}$ **10.** $\frac{3}{5}$ **11.** $\frac{2}{9}$ **12.** $\frac{5}{7}$

Estimate each sum or difference to the nearest whole number. Explain your reasoning.

13. 8.176 + 5.802 + 41.921

14. 493.078 − 13.861

4

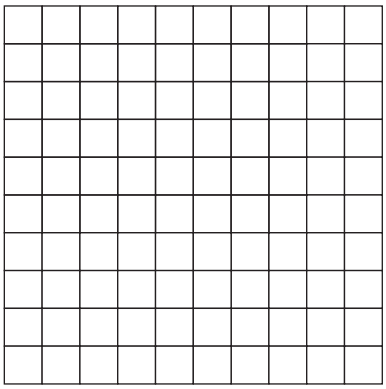
Calculate the exact sum or difference.

15. 8.176 + 5.802 + 41.921

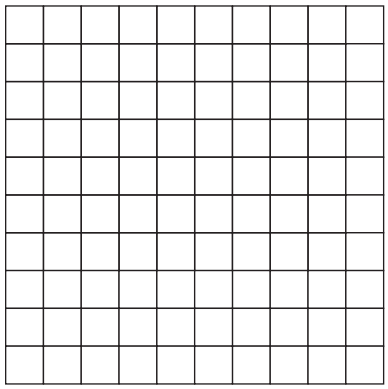
16. 493.078 − 13.861

Use the hundredths grid to calculate each product.

17. 4×0.12



18. 9×0.07



Estimate each quotient. Then, calculate the exact answer. Round to the nearest thousandth.

4

19. $6.8 \div 1.8$

20. $101.4 \div 19.2$

21. $16.6 \div 3.2$

22. $34.7 \div 0.7$

Place the decimal point in each quotient to make the division sentence true.

23. $27.8 \div 0.5 = 556$

24. $6.23 \div 0.32 = 1946875$

Mid-Chapter Test

NAME _____ DATE _____

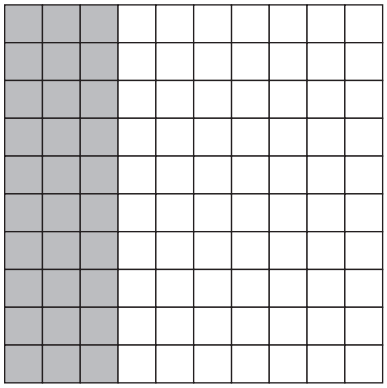
Write each decimal in expanded form.

1. 35.127

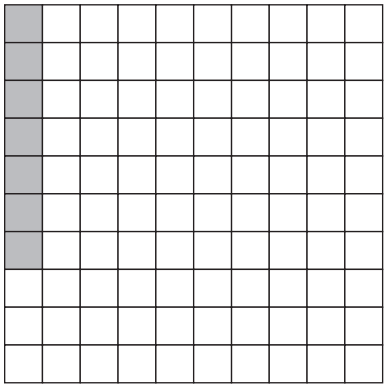
2. 42.581

Write the decimal that represents each shaded portion in the hundredths grid.

3.

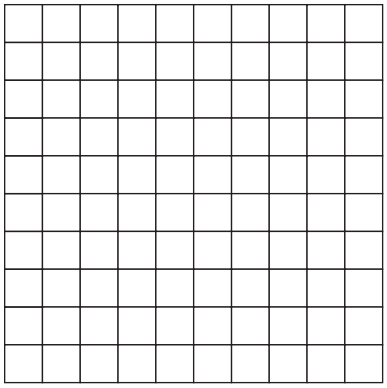


4.

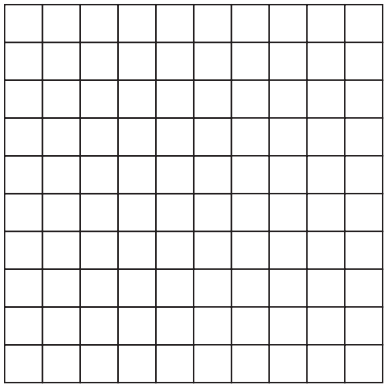


Use the given hundredths grid to represent each decimal. Then, write an equivalent fraction for each decimal.

5. 0.09



6. 0.57



Write each decimal.

7. eleven hundredths

8. five and five tenths

9. six thousandths

Write each decimal in words.

10. 4.106

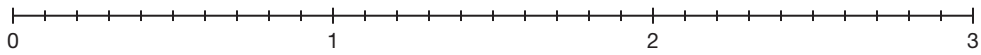
11. 0.68

12. 0.052

13. Plot a point to represent each decimal on the number line shown.

a. 0.75 **b.** 1.4 **c.** 0.6

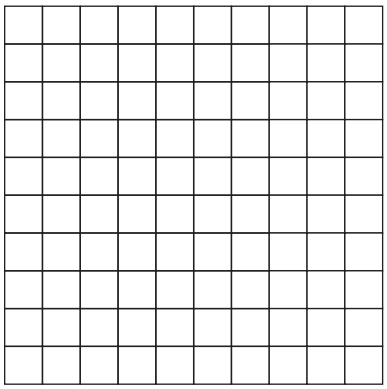
d. 2.2 **e.** 0.29 **f.** 1.55

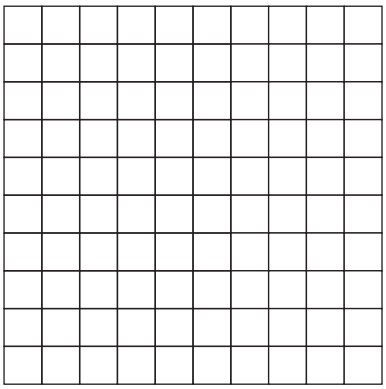


NAME _____ DATE _____

Represent each decimal using a hundredths grid. Then, compare the decimals by writing $>$, $<$, or $=$ in the circle.

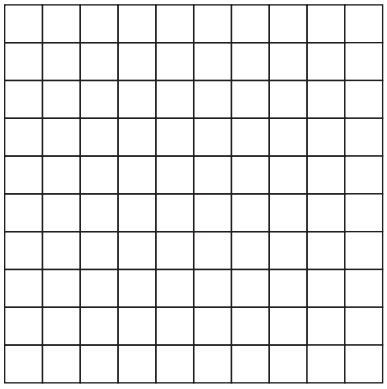
14.

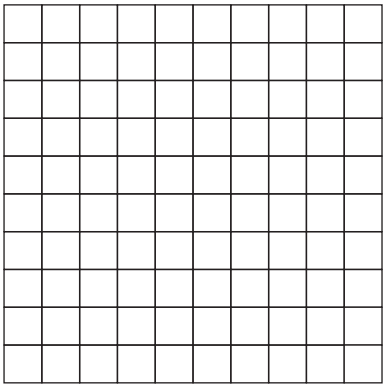




0.7 ◯ 0.6

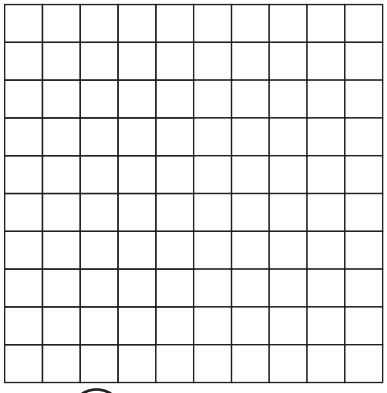
15.

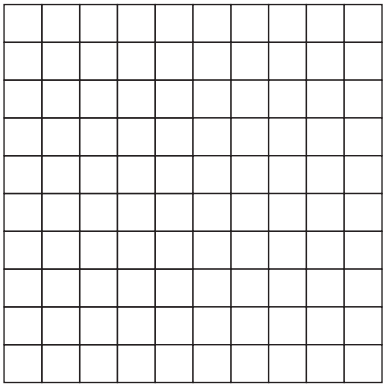




0.89 ◯ 0.98

16.

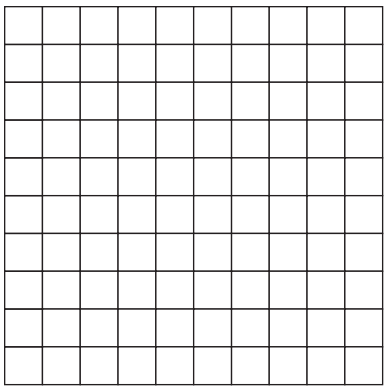


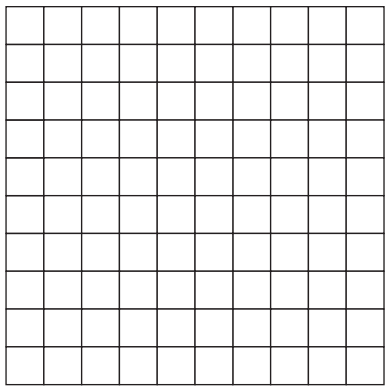


0.49 ◯ 0.49

4

17.





0.1 ◯ 0.07

18. Order the decimals from least to greatest.

627.49	623.87
628.14	627.14
622.56	623.28
627.55	625.09

4

Name the closest benchmark decimal for each decimal.

19. 0.5617

20. 0.7800004

21. 0.000752

22. 1.0981

23. 0.34809

NAME _____ DATE _____

24. The table shows the time, in seconds, for each swimmer in a race. Create another table that lists the swimmers in order from fastest to slowest. Who won the race?

Swimmer	Time (in seconds)
Alex	45.12
Xavier	48.46
Thuong	44.07
Cynthia	45.98
Wendy	44.32
Carl	45.13
Jimmy	44.79
Kayla	47.02
Eve	48.25
Raul	44.49

25. Rewrite each fraction as a decimal.

Fraction	Equivalent Fraction with Denominator as a Power of 10	Decimal
$\frac{9}{20}$		
$\frac{4}{5}$		
$\frac{21}{25}$		
$\frac{5}{8}$		
$\frac{95}{500}$		

4

Write each fraction as a decimal.

26. $\frac{3}{10}$ **27.** $\frac{3}{100}$ **28.** $\frac{3}{1000}$ **29.** $\frac{3}{10{,}000}$

30. $\frac{28}{10}$ **31.** $\frac{28}{100}$ **32.** $\frac{28}{1000}$ **33.** $\frac{28}{10{,}000}$

Write each decimal as a fraction or a mixed number.

34. 0.81 **35.** 0.137 **36.** 4.49 **37.** 0.0077

38. 0.107 **39.** 1.0008 **40.** 0.01009 **41.** 0.8971

Mid-Chapter Test

NAME _____ DATE _____

For each pair of decimals, write a decimal that is between them.

42. 0.5 and 0.52

43. 0.64 and 0.65

44. 2.344 and 2.346

45. 0.741 and 0.742

46. 0.013 and 0.014

47. 1.005 and 1.006

48. 0.3456 and 0.34561

49. 1.45 and 1.451

Write each fraction as a decimal. Round to the nearest thousandth.

50. $\frac{1}{8}$ **51.** $\frac{2}{5}$ **52.** $\frac{4}{7}$ **53.** $\frac{5}{6}$

54. $\frac{2}{3}$ **55.** $\frac{5}{9}$ **56.** $\frac{12}{25}$ **57.** $\frac{13}{20}$

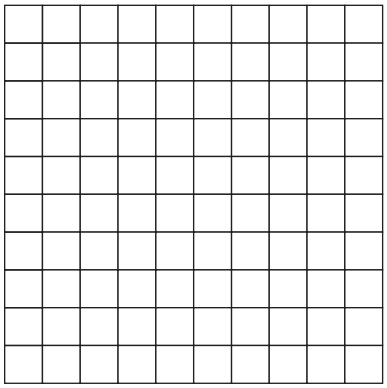
4

End of Chapter Test

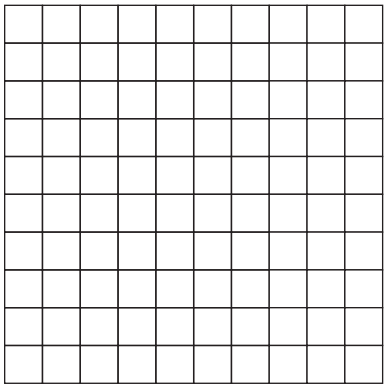
NAME _____ DATE _____

Use the given hundredths grid to represent each decimal. Then, write an equivalent fraction for each decimal.

1. 0.12



2. 0.71



Write each decimal in words.

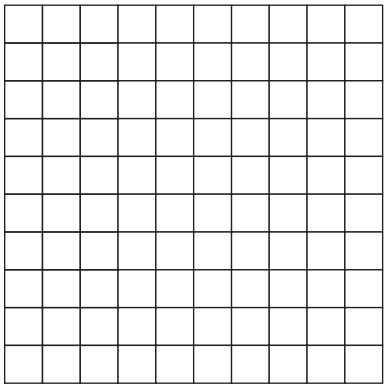
3. 1.209

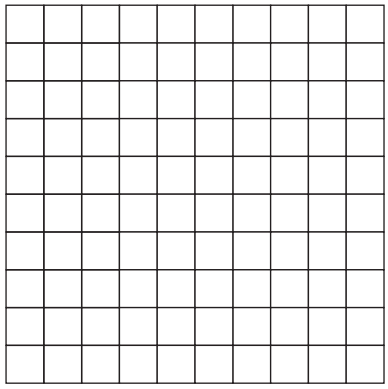
4. 0.27

5. 0.063

Represent each decimal using a hundredths grid. Then, compare the decimals by writing $>$, $<$, or $=$ in the circle.

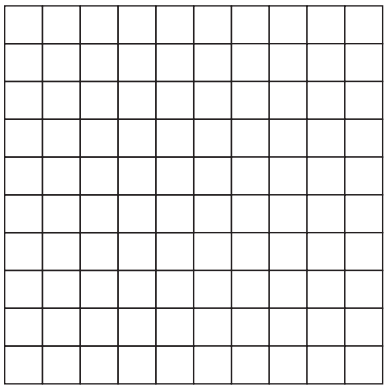
6.

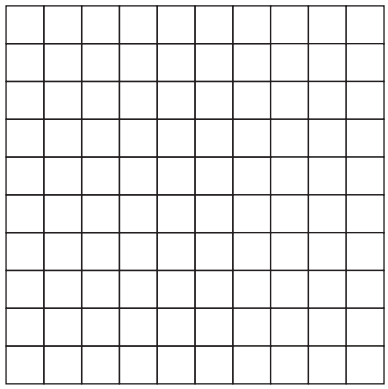




0.3 ◯ 0.31

7.



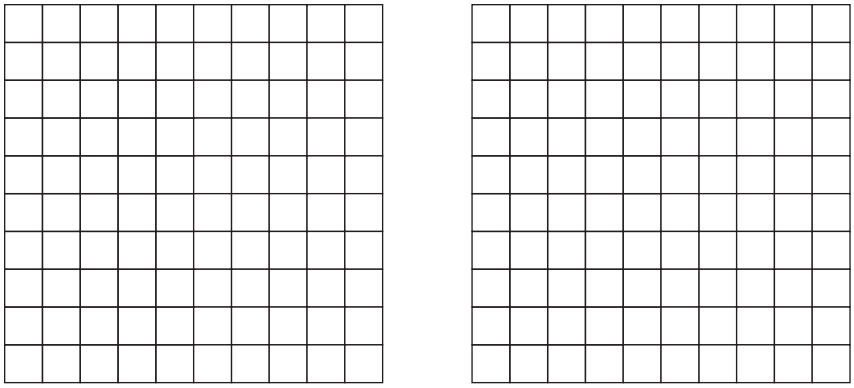


0.56 ◯ 0.65

4

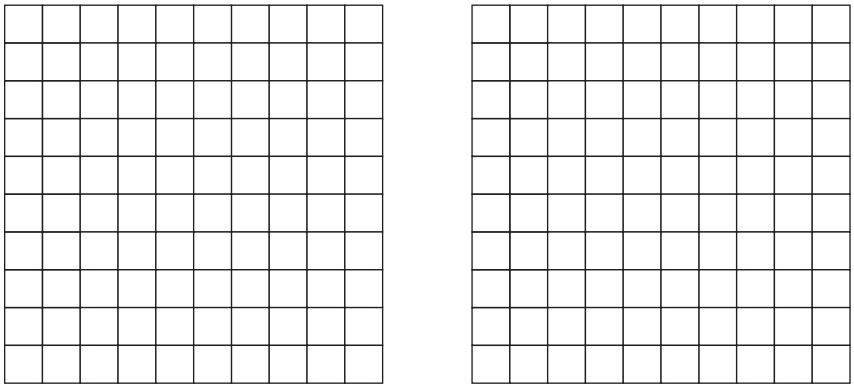
NAME _____ DATE _____

8.



0.5 ◯ 0.49

9.



0.19 ◯ 0.19

10. Order the decimals from greatest to least.

293.12	294.78	292.57	293.45
294.09	293.89	294.11	293.98

End of Chapter Test

Write each fraction as a decimal.

11. $\frac{9}{10}$ **12.** $\frac{9}{100}$ **13.** $\frac{9}{1000}$ **14.** $\frac{9}{10{,}000}$

15. $\frac{61}{10}$ **16.** $\frac{61}{100}$ **17.** $\frac{61}{1000}$ **18.** $\frac{61}{10{,}000}$

Write each fraction as a decimal. Round to the nearest thousandth.

19. $\frac{1}{6}$ **20.** $\frac{3}{20}$ **21.** $\frac{2}{7}$ **22.** $\frac{8}{9}$

23. $\frac{11}{12}$ **24.** $\frac{4}{9}$ **25.** $\frac{9}{25}$ **26.** $\frac{6}{7}$

4

Estimate each sum or difference to the nearest whole number. Explain your reasoning.

27. 4.817 + 9.099 + 17.008

28. 484.603 − 48.198

NAME _____ DATE _____

Calculate the exact sum or difference for each problem.

29. 4.817 + 9.099 + 17.008

30. 484.603 − 48.198

31. Rachel put the following items in her shopping cart at the office supply store.

Sticky Notes	$3.27
Dozen Pens	$4.79
3-pack of Lined Pads	$3.89
Spindle of CDs	$9.99
Box of Copy Paper	$38.04
Box of Folders	$5.89

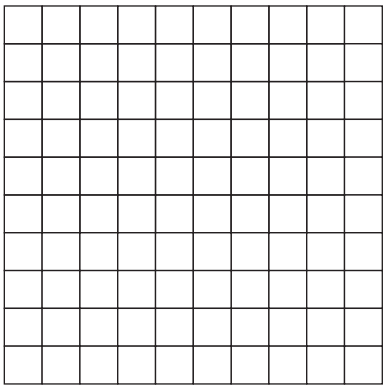
a. About how much money does Rachel need to buy the supplies in her shopping cart?

b. The cashier said that Rachel's order was $55.88. Could the cashier be correct?

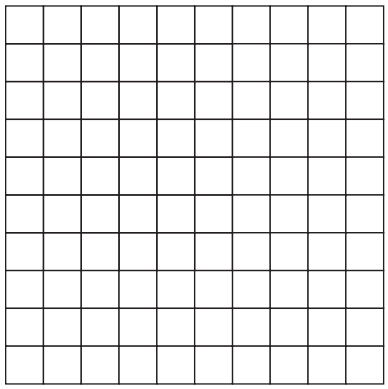
c. If Rachel has only $50, what can she buy from her cart?

Use the hundredths grid to calculate each product.

32. 3×0.18



33. 6×0.07



Calculate each product using fractional forms of each number.

4

34. 3.5×1.4

35. 1.7×2.006

Use the fact that $48 \times 13 = 624$ to calculate each product without using your calculator.

36. 1.3×48

37. 1.3×4.8

38. 4.8×0.13

39. 0.48×0.13

40. 0.48×13

41. 0.048×0.13

End of Chapter Test

NAME _____ DATE _____

Estimate each quotient. Then, calculate the exact answer. Round to the nearest thousandth.

42. 6.1 ÷ 3.2

43. 99.3 ÷ 24.9

44. 9.6 ÷ 1.8

45. 19.4 ÷ 0.6

Place the decimal point in each quotient to make the division sentence true.

46. 36.1 ÷ 0.5 = 722

47. 5.17 ÷ 0.16 = 323125

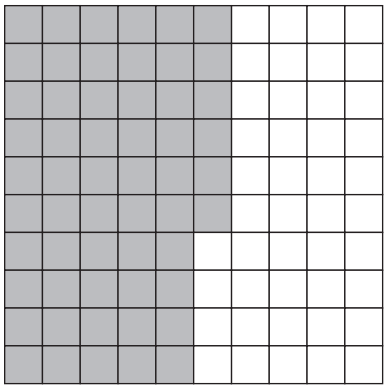
48. Fruit and Crunch cereal comes in a 12.5-ounce size for $3.20 or a 28.8-ounce size for $5.76. Which size of cereal is the most economical to buy?

4

Standardized Test Practice

NAME _____ DATE _____

1. Which decimal is represented by the hundredths grid?



a. 0.56

b. 0.65

c. 5.6

d. 6.5

2. Which list shows the decimals ordered from greatest to least?

413.57, 413.71, 414.09, 413.75

a. 413.57, 413.71, 413.75, 414.09

b. 414.09, 413.57, 413.75, 413.71

c. 413.75, 413.71, 413.57, 414.09

d. 414.09, 413.75, 413.71, 413.57

4

3. Which shows the decimal equivalent of $\frac{7}{1000}$?

a. 0.07

b. 0.007

c. 0.0007

d. 7.000

4. Michael put the following items in his shopping basket.

Juice	$3.98
Sandwich	$4.19
Chips	$0.79

What is the best estimate of the sum of the items to the nearest whole number?

a. $7

b. $8

c. $9

d. $10

4

5. What is the product 4.5×2.004?

a. 0.9018

b. 9.018

c. 90.18

d. 901.8

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6. Mrs. Wallace bought 0.75 pound of sliced turkey for $3.45 and 1.5 pounds of sliced ham for $6.60. How much more was the turkey per pound than the ham?

a. $0.20

b. $1.20

c. $3.15

d. $9.00

7. Which shows the decimal 0.072 in word form?

a. seventy-two ten thousandths

b. seventy-two hundredths

c. seventy-two thousandths

d. seventy-two tenths

8. Which shows the decimal 1.0002 written as a mixed number?

a. $1\frac{2}{1000}$

b. $1\frac{2}{10,000}$

c. $1\frac{2}{100,000}$

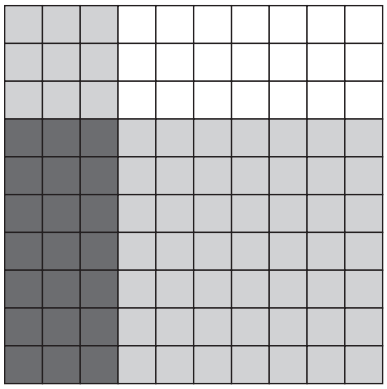
d. $1\frac{2000}{10,000}$

4

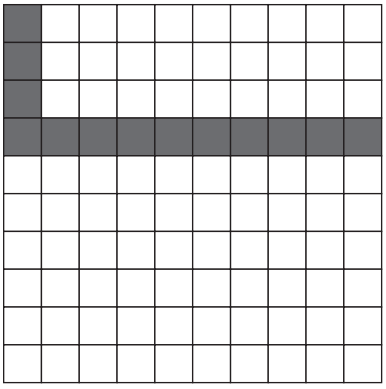
9. Which hundredths grid models the expression?

0.3×0.7

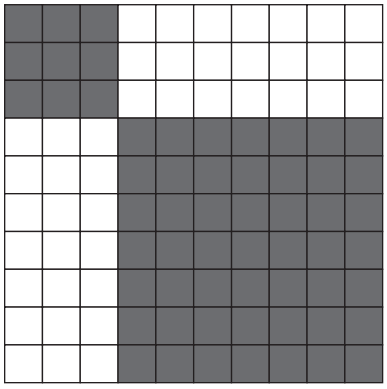
a.



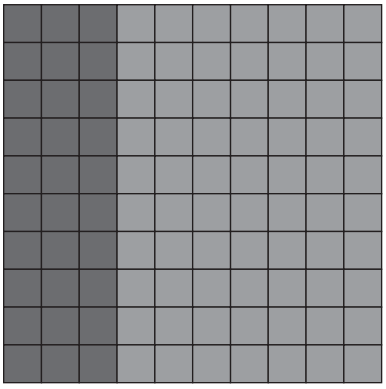
b.



c.



d.



10. What is the closest benchmark decimal to the decimal 0.4876?

a. 0

b. 0.5

c. 1

d. 1.5

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11. What is the difference 377.109 − 58.276?

a. 318.833

b. 321.833

c. 329.933

d. 435.385

12. Estimate 45.26 ÷ 8.79 to the nearest whole number.

a. 5

b. 6

c. 8

d. 9

13. Convert the fraction $\frac{7}{9}$ to a decimal. Round your answer to the nearest thousandth.

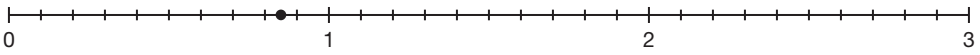
a. 0.7

b. 0.778

c. 1.286

d. 7.9

14. Which decimal is plotted on the number line?



a. 0.075

b. 0.085

c. 0.75

d. 0.85

15. Naomi put the following items in her shopping cart at the department store.

Wipes	$2.09
Plastic Bandages	$1.79
Toothpaste	$3.29
Socks	$4.87
Thank You Notes	$3.68
Shampoo	$3.25

If Naomi hands the cashier a $20 bill, what is the best estimate of the amount of change she will get back?

a. $0

b. $1

c. $2

d. $19

4

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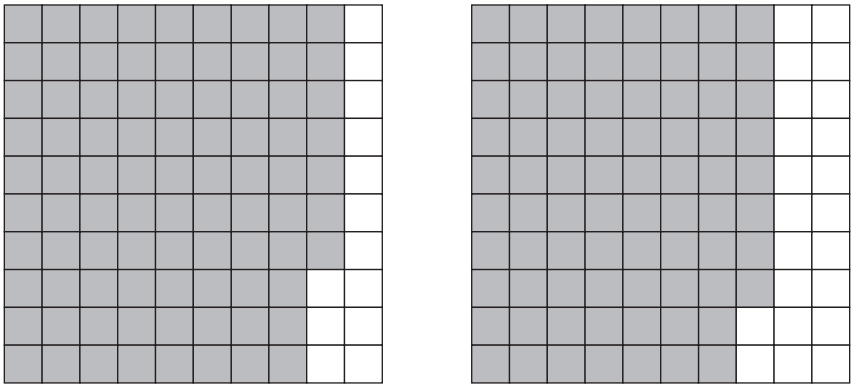
16. Which inequality best compares the decimals represented on the hundredths grids?



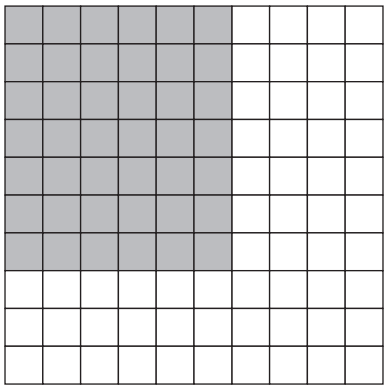
a. $0.87 > 0.78$

b. $0.87 < 0.78$

c. $8.7 > 7.8$

d. $8.7 < 7.8$

17. Which multiplication problem is shown on the hundredths grid?



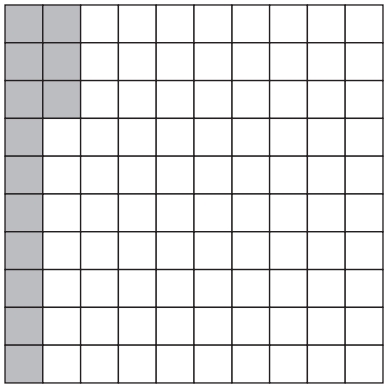
a. $0.6 \times 0.7 = 0.042$

b. $7 \times 0.14 = 0.98$

c. $2 \times 0.7 = 0.14$

d. $3 \times 0.14 = 0.42$

18. Which fraction is represented by the hundredths grid?



a. $1\frac{3}{10}$

b. $\frac{13}{100}$

c. $\frac{13}{10}$

d. $1\frac{1}{3}$

19. Place the decimal point in the quotient to make the division sentence true.

$8.94 \div 0.016 = 55875$

a. 0.55875

b. 5.5875

c. 55.875

d. 558.75

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20. The table shows the time in seconds for each runner in a race. Who won the race?

Runner	Time (in seconds)
Bob	52.99
Piet	51.78
Simon	52.36
Josh	53.45
Maria	51.81
Spence	52.08
Randy	54.23
Kylie	51.12
Monika	52.75
Paul	51.54

a. Bob

b. Spence

c. Randy

d. Kylie

4