Name Date

4th Grade

Spiral Assessment Test 9

Part 1

1. Greta lives 0.7 kilometer from her state capitol. Which fraction is equivalent to 0.7?
2. $\frac{0}{7}$
3. $\frac{1}{7}$
4. $\frac{7}{10}$
5. $\frac{7}{100}$
6. Cora paid $\frac{65}{100}$ of a dollar to buy a postcard from Grand Canyon National Park in Arizona. What is $\frac{65}{100}$ written as a decimal in terms of dollars?
7. 0.65
8. 6.05
9. 6.5
10. 65
11. Randy is comparing statistics from a baseball tournament. Which decimal is **less** than 0.4?
12. 0.38
13. 0.40
14. 0.44
15. 1.04

Go On

1. Winona has 4 quarters and 1 nickel. Which does **not** represent the value of 4 quarters and 1 nickel?
2. $1.05
3. 1$\frac{5}{100}$ dollars
4. 1.05 dollars
5. 1$\frac{5}{10}$ dollars
6. What is the sum of $\frac{4}{10}$ and $\frac{55}{100}$ ?
7. $\frac{59}{110}$
8. $\frac{59}{100}$
9. $\frac{95}{100}$
10. $\frac{95}{10}$
11. Haroun is comparing decimals. Which statement is **true**?
12. 0.5 > 0.53
13. 0.35 = 0.53
14. 0.35 < 0.3
15. 0.35 > 0.3
16. Denny ran 2$\frac{1}{10}$ miles along a marathon route. What is this distance written as a decimal?
17. 0.21 miles
18. 2.01 miles
19. 2.1 miles
20. 21.0 miles

Go On

1. What is the sum of $\frac{2}{10}$ and $\frac{20}{100}$ ?
2. $\frac{21}{100}$
3. $\frac{4}{10}$
4. $\frac{22}{110}$
5. $\frac{40}{200}$
6. The U.S. Senate in Washington D.D., has 100 elected members who make laws for the United States. Last year, 30 senators ran for reelection. Which decimal is equivalent to $\frac{30}{100}$ ?
7. 3.100
8. 0.3
9. 0.03
10. 0.003
11. Chaz needs $4.77 for new batteries. He has $2.80. How much more money does he need?
12. $1.97
13. $2.10
14. $2.17
15. $7.57
16. Brianna filled seven tenths of the pages in her stamp album. Which of the following is **not** equivalent to seven tenths?
17. $\frac{7}{10}$
18. 0.7
19. 0.70
20. 0.07

Go On

1. The point of the number line shows how far Emily needs to ride her bike to Piper’s house. Which decimal correctly name the distance Emily needs to ride her bike?

2$\frac{5}{10}$

2.0 3.0

1. 2.06
2. 2.07
3. 2.6
4. 2.7
5. Mrs. Golub wants to share $7.20 equally among her three grandchildren. How much money should each grandchild get?
6. $1.40
7. $2.07
8. $2.40
9. $4.20
10. Maria has these coins in her wallet.

What is Maria’s total amount as a fraction in terms of a dollar?

1. $\frac{59}{100}$
2. $\frac{75}{100}$
3. $\frac{134}{100}$

Go On

1. $\frac{100}{59}$
2. Suzi ran for $\frac{4}{10}$ mile. Then she walked for $\frac{16}{100}$ mile. How far did she go in all?
3. $\frac{20}{100}$ mile
4. $\frac{56}{100}$ mile
5. $\frac{20}{10}$ mile
6. $\frac{56}{10}$ mile
7. Patty, Helene, and Mira share $0.96 that they found in an old wallet. How much money does each girl get?
8. $0.32
9. $0.36
10. $0.38
11. $0.48
12. Jason used repeated addition to show 4 X $\frac{2}{3}$. Which shows an expression Jason could write?
13. $\frac{1}{3}$ + $\frac{1}{3}$ + $\frac{1}{3}$ + $\frac{1}{3}$
14. $\frac{2}{3}$ + $\frac{2}{3}$ + $\frac{2}{3}$ + $\frac{2}{3}$
15. $\frac{2}{12}$ + $\frac{2}{12}$ + $\frac{2}{12}$ + $\frac{2}{12}$
16. 4 + $\frac{1}{3}$ + $\frac{1}{3}$ + $\frac{1}{3}$
17. Gabe is making a pinewood car. He cuts a block of wood to measure 5$\frac{3}{4}$ inches. How can he write 5$\frac{3}{4}$ inches as a fraction?
18. $\frac{53}{4}$ inches
19. $\frac{23}{4}$ inches
20. $\frac{15}{4}$ inches
21. $\frac{12}{4}$ inches

Go On

1. Carson’s album is $\frac{8}{12}$ vacation photos and $\frac{3}{12}$ holiday photos. What part of Carson’s album is **not** vacation or holiday photos?
2. 1
3. $\frac{11}{12}$
4. $\frac{5}{12}$
5. $\frac{1}{12}$
6. Bobby bikes 1$\frac{2}{3}$ hours on Monday, 2$\frac{1}{3}$ hours on Tuesday, and 2$\frac{2}{3}$ hours on Wednesday. What is the total number of hours Bobby spent biking?
7. 5$\frac{2}{3}$ hours
8. 6 hours
9. 6$\frac{1}{3}$ hours
10. 6$\frac{2}{3}$ hours
11. Jerry spent $42 to buy some shirts. Each of the shirts cost the same whole-dollar amount. How many shirts could he have bought?
12. 4
13. 5
14. 6
15. 8
16. Brady’s teacher wrote a row of numbers with a pattern.

21, 29, 26, 34, 31, 39, 36, ...

What is the rule for the pattern?

1. *subtract* 8, *add* 3
2. *add* 5, *subtract* 3
3. *add* 8, *subtract* 3
4. *subtract* 3, *add* 8

Go On

1. Students are making pizza. They put a total of 112 ounces of cheese on 7 pizzas. Each pizza had the same amount of cheese. How many ounces of cheese are on each pizza?
2. 19 ounces
3. 18 ounces
4. 17 ounces
5. 16 ounces
6. Sam filled 6 toy boxes with the same number of toys in each box. If he had 144 toys, how many toys did he put in each toy box?
7. 150
8. 24
9. 22
10. 14
11. The Distributive Property can help you divide. Which is not a way to break apart the dividend to find the quotient of 132 ÷ 6.
12. (120 ÷ 6) + (12 ÷ 6)
13. (100 ÷ 6) + (32 ÷ 6)
14. (90 ÷ 6) + (60 ÷ 6)

Part 2

1. Charlie’s model shows the number of hours he exercised yesterday.
2. Which decimal does the model show?
3. Which mixed number does the model show?

Go On

1. A recipe calls for $\frac{5}{10}$ kilogram of flour and $\frac{9}{100}$ kilogram of sugar. If Henry measures correctly and combines the two amounts, how much flour and sugar will he have in all?

Show your work.

A. Write the answer as a fraction. kilogram

B. Write the answer as a decimal. kilogram

1. After selling some old books and toys, Gwen and her brother Max had 5 one-dollar bills, 6 quarterd, and 8 dimes. They agree to divide the money equally.
2. What is the total amount of money that Gwen and Max earn? Explain.
3. Max said that he and Gwen cannot get equal amounts of money because 5 one-dollar bills cannot be divided evenly. Do you agree with Max? Explain.

Stop

SPIRAL TEST 9 ANSWERS

1. C
2. A
3. A
4. D
5. C
6. D
7. C
8. B
9. B
10. A
11. D
12. D
13. C
14. A
15. B
16. A
17. B
18. B
19. D
20. D
21. C
22. C
23. D
24. B

A. decimal 1.03

B. fraction 1$\frac{3}{100}$

1. $\frac{59}{100}$ kilogram
2. decimal 0.59

27.

 A. $7.30; Possible explanation: I counted the one-dollar bills to get $5.00. Then I counted on 6 quarters: $5.25, $5.50, $5.75, $6.00, $6.25, $6.50. Then I counted on 8 dimes: $6.60, $6.70, $6.80, $6.90, $7.10, $7.20, $7.30.

 B. No; possible explanation: first, they share the quarters and dimes and get 3 quarters and 4 dimes each. Then, they can change the 5-dollar bills into quarters. 1 dollar equals 4 quarters, so 5 dollars equals 20 quarters. They can each get 10 quarters. So, each person has a total of 13 quarters and 4 dimes.