Name Date

4th Grade

Spiral Assessment Test 6

Part 1

1. Rudi is comparing shark lengths. She read that a sandbar shark is 4$ \frac{1}{2}$ feet long. A thresher shark is 3 times as long as that. How long is a thresher shark?

|  |
| --- |
| 4$\frac{1}{2}$ |

Sandbar Shark

|  |  |  |
| --- | --- | --- |
|  |  |  |

Thresher Shark

1. 7$\frac{1}{2}$ feet
2. 12 feet
3. 13$\frac{1}{2}$ feet
4. 15 feet
5. Aaron made a list of some multiples of$\frac{1}{8}$. Which could be Aaron’s list?
6. $\frac{1}{8}$ , $\frac{2}{8 }$ , $\frac{3}{8}$ , $\frac{4}{8}$ , $\frac{5}{8}$
7. $\frac{1}{8}$ , $\frac{1}{16 }$ , $\frac{1}{24}$ , $\frac{1}{32}$ , $\frac{1}{40}$
8. $\frac{1}{8}$ , $\frac{2}{9}$ , $\frac{3}{10}$ , $\frac{4}{11}$ , $\frac{5}{12}$
9. 1, 2, 3, 4, 5

Go On

1. Amanda is building a fence. She needs a pole to measure 4$\frac{5}{6}$ feet from the ground. How can she write 4$\frac{5}{6}$ as a fraction?
2. $\frac{30}{6}$ feet
3. $\frac{29}{6}$ feet
4. $\frac{24}{6}$ feet
5. $\frac{20}{6}$ feet
6. A farmer picked 6 bushels of lettuce from one of her fields. Each bushel contained 186 heads of lettuce. How many heads of lettuce did the farmer pick in all?
7. 6,186
8. 1,116
9. 686

 192

1. Trevor weighed 6$\frac{3}{8}$ pounds when he was born. By age 5, he weighed 5 times as much. If *p* stands for pounds, which equation could you use to find Trevor’s weight at age 5?
2. *p* = ( 5 X 6 ) + $\frac{3}{8}$
3. *p* = 5 + 6$\frac{3}{8}$
4. *p* = 5 X 6$\frac{3}{8}$
5. *p* = (5 X $\frac{3}{8} $) + 6

Go On

1. Gwen listed the multiples of $\frac{3}{10 }$ . Which is **not** a multiple of $\frac{3}{10}$ ?
2. $\frac{8}{10}$
3. $\frac{9}{10}$
4. $\frac{15}{10}$
5. $\frac{30}{10}$
6. One day, the outdoor temperature increased by $\frac{5}{10}$ degrees every hour for 6 hours. How much did the temperature increase by the end of 6 hours?
7. $\frac{11}{10}$ degrees
8. $\frac{15}{10}$ degrees
9. $\frac{20}{10}$ degrees
10. $\frac{30}{10}$ degrees
11. Sandi buys some fabric to make a quilt. She needs $\frac{1}{5}$ yard of each type of fabric. She has 9 different types of fabrics to make her design. Sandi writes the following equation. What number goes in the box to make the statement true?

$\frac{9}{5}$ = X $\frac{1}{5}$

1. 4
2. 5
3. 8
4. 9

Go On

1. Malak solved a problem that had an answer of $\frac{33}{5}$ . How can Malak write $\frac{33}{5}$ as a mixed number?
2. 6$\frac{3}{5}$
3. 5$\frac{3}{5}$
4. 4$\frac{3}{5}$
5. $\frac{33}{5}$
6. What fraction is equivalent to 2 ?
7. $\frac{3}{10}$
8. $\frac{3}{5}$
9. $\frac{8}{5}$
10. $\frac{10}{5}$
11. 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?
12. 19 ounces
13. 18 ounces
14. 17 ounces
15. 16 ounces

Go On

1. Carrie spends 1$\frac{1}{4}$ hours practicing the piano 3 times a week. How much time does Carrie spend practicing the piano in one week?
2. 4$\frac{1}{4}$ hours
3. 4 hours
4. 3$\frac{3}{4}$ hours
5. 3$\frac{1}{4}$ hours
6. Alma is making 3 batches of tortillas. She has to add $\frac{3}{4}$ cup water to each batch. Her measuring cup holds $\frac{1}{4}$ cup. How many times must Alma measure $\frac{1}{4}$ cup of water to have enough for all the tortillas?
7. 4
8. 6
9. 8
10. 9
11. At the party, Susan cuts a sheet cake into 10 equal pieces. After the party, there was $\frac{7}{10} $of the cake left. Which show the fraction $\frac{7}{10}$ as a product of a whole number and a unit fraction?
12. 3 x $\frac{1}{7}$
13. 10 x $\frac{1}{7}$
14. 7 x $\frac{1}{10}$
15. 7 x $\frac{7}{10}$

Go On

1. Andrew makes 6 batches of bran muffins. He uses $\frac{1}{3}$ cup of raisins in each batch. How many cups of raisins does he use for 6 batches?
2. 2 cups
3. 4 cups
4. 6 cups
5. 8 cups
6. Mr. Tuyen uses $\frac{5}{8}$ of a tank of gas each week to drive to and from his job. How many tanks of gas does Mr. Tuyen use in 5 weeks?
7. $\frac{40}{8}$
8. $\frac{25}{8}$
9. $\frac{10}{8}$
10. $\frac{5}{40}$
11. In 2010, an animal shelter found new homes for one hundred thirty thousand, six hundred nine dogs and cats. Which shows that number written in standard form?
12. 136,309
13. 130,690
14. 130,609
15. 130,069

Go On

1. Which fraction shows the product of 2$×$ $\frac{1}{6 }$ ?
2. $\frac{2}{6}$
3. $\frac{3}{6}$
4. $\frac{6}{6}$
5. $\frac{9}{6}$
6. Some art students designed tiles for a wall in the school. The tiles were put in 18 equal rows of 38 tiles. What is the total number of tiles on the wall?
7. 198
8. 342
9. 684
10. 688
11. The train takes 1$\frac{1}{2}$ hours to get from Arno to Bentley. The train takes 5 times as long as that to get fro Arno to Valdez. How long is the train ride from Arno to Valdez?
12. 15 hours
13. 7$\frac{1}{2}$ hours
14. 7 hours
15. 6$\frac{1}{2}$ hours

Go On

1. Mr. Jacques wrote a bonus problem on the board. If Gina correctly answers, she gets extra time to read. The problem is to write a statement that correctly relates the numbers 9 and 18. Which should Gina write?
2. 18 is a common multiple of 9 and 18.
3. 27 is a common multiple of 9 and 18.
4. 9 is a multiple of 18.
5. 18 is a factor of 9.
6. Brady’s teacher wrote a row of number with a pattern.

21, 29, 26, 34, 31, 39, 36, …

1. *subtract* 8, *add* 3
2. *add* 5, *subtract* 3
3. *add* 8, *subtract* 3
4. *subtract* 3, *add* 8
5. Taylor cuts $\frac{1}{5}$ sheet of construction paper. What fraction is equivalent to $\frac{1}{5}$ ?
6. $\frac{1}{6}$
7. $\frac{3}{15}$
8. $\frac{15}{45}$
9. $\frac{15}{3}$

Go On

1. Bobby biked 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?
2. 5$\frac{2}{3}$ hours
3. 6 hours
4. 6$\frac{1}{3}$ hours
5. 6$\frac{2}{3}$ hours

Go On

Part 2 : Short and Extended Responses

1. Jess made a big kettle of rice and beans. He used 1$\frac{1}{2}$ cups of beans. He used 4 times as much rice. How many cups of rice did Jess use?

Show your work

 rice

1. What are the next three multiples of $\frac{4}{10}$ ?

Show your work

Go On

1. Molly is baking for the Moms and Muffins event at her school. She will bake 4 batches of banana muffins. She needs 1$\frac{3}{4}$ cups of bananas for each batch of muffins. Molly says she needs 8 cups of bananas. Do you agree or disagree? Explain.

Show your work.

Stop

Spiral Test 6 Answers

1. C
2. A
3. B
4. B
5. C
6. A
7. D
8. D
9. A
10. D
11. D
12. C
13. D
14. C
15. A
16. B
17. C
18. A
19. C
20. B
21. A
22. C
23. B
24. D
25. 6 cups
26. $\frac{8}{10}$ , $\frac{12}{10}$ , $\frac{16}{10}$
27. I disagree; possible explanation: Molly is baking 4 batches of muffins. 4 x 1$\frac{3}{4}$= 4 x $\frac{7}{4}$ = $\frac{28}{4}$ = 7 cups. Molly needs 7 cups of bananas, not 8 cups.