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Grade 5 Module 1 Spiral Assessment 1

**Part 1**

Read each question carefully and place each answer on the appropriate line on the answer sheet.

**1**

Frank took 42 photos with his digital camera. He stored an equal number of photos in each of 3 folders on his computer. Which number sentence could Frank use to find the number of photos in each folder?

A) 3 x 14 = 42

B) 3 x 40 = 120

C) 3 x 42 = 12

D) 4 x 42 = 168

**2**

Which below shows 10³ ?

A) 10,000

B) 1,000

C) 100

D) 10

**3**

In the number 869,653,214, which describes how the digit 6 in the ten-millions place compares to the digit 6 in the hundred-thousands place?

A) 10 times as much

B) 100 times as much

C) 1,000 times as much

D) as much as

**Go On**

A traveling carnival is visiting the local park. The ticket booth has already sold 3,000 ride bracelets. Each bracelet costs $20. How much money has the ticket booth already collected?

**4**

A) $60

B) $600

C) $60,000

D) $600,000

**5**

Michelle's family is going to a beach resort. Michelle bought 7 beach towels that cost $13 each to take to the resort. To find the total cost, she added the products of 7 × 10 and

7 × 3 for a total of $91. (7x13) = (7x10) + (7x3) What property did Michelle use?

A) Commutative Property of Multiplication

B) Commutative Property of Addition

C) Associative Property of Multiplication

D) Distributive Property

**6**

A taxicab travels 234 miles every day. How many miles does the taxicab travel in 5 days?

A) 1,050 miles

B) 1,150 miles

C) 1,170 miles

D) 1,520 miles

**7**

Bob burns 354 calories in 1 hour by jogging on his treadmill. He jogged for 28 hours last month. How many calories did Bob burn in all last month from jogging on his treadmill?

A) 8,482 calories

B) 9,912 calories

C) 10,266 calories

D) 21,240 calories

**Go On**

Molly has 16 postcards from each of 8 different cities in Pennsylvania. She can fit 4 postcards on each page of her scrapbook. How many pages in the scrapbook can Molly fill with postcards?

**8**

A) 22

B) 32

C) 41

D) 512

**9**

An earthquake was felt over an area of 5,000 square miles. Which shows 5,000 as a whole number multiplied by a power of ten?

A) 

B) 

C) 

D) 

**10**

Kareem decided to buy 300 shares of stock in a business. Each share costs $60. Which of the following could he use to find the total amount he will pay for the stock?

A) 

B) 

C) 

D) 

**11Go On**

Jen and her brother Jon are saving to buy a basketball hoop that costs $75. Jen earns $15 each week for babysitting and spends $6 of it. Jon earns $10 each week for walking dogs and spends $4 of it. Which expression can be used to find how many weeks it will take to save for the basketball hoop?

A) 75 ÷ [(15 – 6) + (10 – 4)]

B) 75 ÷ [(15 + 6) – (10 + 4)]

C) 75 ÷ [(15 – 6) + (10 + 4)]

D) 75 ÷ [(15 – 6) – (10 – 4)]

**Go On**

Pete’s Pizza sells large pizzas for $10. Each additional topping costs $2. Mr. Perkins is buying 1 large pizza with 3 additional toppings. He will pay with a $20 bill. He used the expression 20 – 10 – 3 × 2 to find how much change he should receive. How much change should Mr. Perkins receive?

**12Go On**

A) $2

B) $4

C) $6

D) $14

**13Go On**

Marty is going mountain climbing at Thunderbolt Peak in California. The height of the mountain is about 9 × 10³ feet. What is the height of Thunderbolt Peak written as a whole number?

A) 90 feet

B) 900 feet

C) 9,000 feet

D) 90,000 feet

**14Go On**

Evaluate the following expression:

123 – (4 x 3) + 5

A) 362

B) 106

C) 116

D) 91

**15**

Andy baked 120 cookies to give to 5 friends. He wants to put the same number of cookies in each bag. Which expression can he use to find how many cookies to put in each bag?

A) (5 x 20) + (5 x 4)

B) (5 x 10) + (5 x 8)

C) (5 x 60) + (5 x 2)

D) (5 x 15) + (5 x 5)

**Go On**

Joe is cutting wood in half–foot lengths. How many half–foot lengths will he get from an 8–foot long piece of lumber?

**16**

A) 16

B) 8

C) 6

D) 4

**17**

Wal-Mart has 2 separate displays of toy trains. There are 16 sets of trains in each display. If there are 4 trains in each set, how many trains in all are on display?

A) 32

B) 64

C) 128

D) 148

**18**

What number is 100 times more than 60?

A) 6

B) 600

C) 6,000

D) 60,000

**Go On**

**19**

Which number is the standard form of:

(3 x 1,000,000) + (5 x 100,000) + (7 x 1,000) + (6 x 100) + (5 x 10) + (2 x 1) ?

A) 357,652

B) 3,570,652

C) 3,507,652

D) 3,057,652

Which property is shown below?

**20**

3 x (7x2) = (3x7) x2

A) Commutative Property

B) Distributive property

C) Associative property

D) Identity property

**Go On**

Part 2 Short and Extended Response

**21**

Rainfall collected in a rain gauge was found to be 2.3 cm when rounded to the nearest tenth of a centimeter. Circle all the measurements below that could be the actual measurement of the rainfall.

2.251 cm 2.349 cm 2.352 cm 2.295 cm

Multiply the following numbers using regrouping method and by drawing an area model.

**22**

345

X 61

**Stop**

Grade 5 Spiral Assessment 1 Answer Sheet

1. A

2. B

3. B

4. C

5. D

6. C

7. B

8. B

9. C

10. B

11. A

12. B

13. C

14. C

15. A

16. A

17. C

18. C

19. C

20. C

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Grade 5 Module 2 Spiral Assessment 2

**Part 1**

Read each question carefully and place each answer on the appropriate line on the answer sheet.

**1**

A newspaper company used 1,826,234 sheets of paper last week. What is the

value of the digit 8 in 1,826,234?

A) 800,000

B) 8,000

C) 80,000

D) 800

**2**

Rafael wants to buy a new car. His new car payment will be $288 each month for five

years. What is the total of these payments?

A) 1,440

B) 3,456

C) 17,280

D) 16,452

**3**

A movie theater sold 314,100 on Saturday and 400,236 tickets on Sunday. By how much did the digit 4 increase Sunday’s sales?

A) 10 times as much

B) 100 times as much

C) 1,000 times as much

D) 10,000 times as much

**Go On**

The number of children at the movies was 3 times the number of adults. The

**4**

total number of people at the movies was 48. How many children were at the

movies?

A) 12

B) 24

C) 32

D) 36

**5**

Darren needs to solve the problem 2,406 ÷ 6. In what place is the first digit of the quotient for the problem 2,406 ÷ 6?

A) ones

B) tens

C) hundreds

D) thousands

**6**

Brian won 50 tickets at the arcade. He redeemed 30 tickets for a prize and gave 5 tickets to a friend. Which expression can Brian use to find how many tickets he has left?

A) 50 – (30+5)

B) 50 + (30 – 5)

C) (50 + 30) + 5

D) 50-(30-5)

**Go On**

A shoe store is having a big sale on 2,000 pairs of boots. Every pair of boots will

**7**

sell for $40. If the store sells all the boots, which of the following could be used to

find the total amount the store will make from the sale?

A) (4 x 2) x 10² = 800

B) (4 x 2) x 10³ = 8,000

C) (4 x 2) x  = 80,000

D) (4 x 2) x  = 800,000

8

Maria drives 634 miles to visit her grandfather in Baltimore. How many miles

does Maria drive if she visits her grandfather 4 times?

A) 2,426 miles

B) 2,436 miles

C) 2,536 miles

D) 2,836 miles

**9**

Tara baked 9 trays of cookies. Each tray had 5 rows with 4 cookies in each row. Tara wrote the equation (9 x 5) x 4 = 9 x (5 x 4). What property did Tara use?

A) Commutative Property of Multiplication

B) Associative Property of Addition

C) Associative Property of Multiplication

D) Distributive Property

**Go On**

Of the 90 trading cards Sam has, 55 are football cards and 35 are baseball cards.

**10 On**

He gives Henry 10 football cards and Henry gives Sam 8 baseball cards. Which

expression can be used to find the number of trading cards Sam has now?

A) (55 – 10) + (35 + 8)

B) (55 + 8) – (35 + 10)

C) (55 – 10) – (35 + 8)

D) (55 + 8) - (35 – 10)

Candice is making a necklace with beads. She has 8 beads and buys 2 packages with 25 beads in each package. She needs 45 beads for the necklace. She uses

**11Go On**

the expression 8 + 25 x 2 – 45 to find how many beads she has left. How many

beads does Candice have left?

A) 3

B) 13

C) 21

D) 103

**12**

How many zeros are in the product of (6x5) x 10³

A) 1

B) 2

C) 3

D) 4 **Go On**

For a field trip, the school bought 47 sandwiches for $4.60 each and 39 bags of chips for $1.25 each. How much did the school spend in all?

**13**

A) $ 216.20

B) $ 48.75

C) $ 264.95

D) $ 167.45

**14**

The U.S. Senate has 100 elected members who make laws for the United States. Last year 30 senators ran for re-election. Which decimal is equivalent to?

A) 3.100

B) 0.30

C) 0.03

D) 0.003

**15**

Which number is the standard form of seventeen million, five hundred thousand,

six hundred twenty-two?

A) 17,005,622

B) 17,050,622

C) 17,500,622

D) 18,500,622

**Go On**

**16**

Sylvia bought 8 tickets to a concert. Each ticket cost $18. To find the total cost

of the tickets she added the product of 8 x 10 to the product of 8 x 8. Name

the property Sylvia used?

A) Commutative Property of Multiplication

B) Associative Property of Addition

C) Associative Property of Multiplication

D) Distributive Property of Multiplication

**17**

Which expression represents the statement “divide 15 by 3, then add 7”?

A) (15 + 3) ÷ 7

B) 15 ÷ (3 + 7)

C) 15 – (3 + 7)

D) (15 ÷ 3) + 7

**18**

Which statement about the value of the underlined digit is true?

96**6**.45

A) It is 100 times as much as the digit 4 in the place to its right.

B) It is 10 times as much as the digit 6 in the place to its left.

C) It is as much as the digit 6 in the place to its left.

D) It is as much as the digit 5 in two places to its right.

**Go On**

The expression below represents the number of pictures Tabitha took in the

**19**

park.

(33 X 2) – (2 X 10)

How many pictures did Tabitha take?

A) 20

B) 35

C) 46

D) 86

There are 107 basketball players going to a basketball tournament. They will be traveling in vans that each hold 12 players. How many vans will be needed to

**20**

take all the players to the tournament?

A) 7

B) 8

C) 9

D) 10

**Go On**

**Part 2 Short and Extended Response**

**21**

Simone collects refrigerator magnets. She has 756 magnets in her collection.

A. If each box can hold 22 magnets, how many boxes can Simone fill completely with her magnets?

*Show your work.*

B. How many boxes will Simone need to hold all of her magnets? Explain how you interpreted the remainder to answer parts A and B.

*Show your work.*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Go On**

Solve the following multiplication problem using an area model.

**22**

306 x 27

*Show your work.*

**Stop**

Grade 5 Module Spiral Assessment – Test 2 Answer Sheet

1. A

2. C

3. B

4. D

5. C

6. A

7. C

8. C

9. C

10. A

11. B

12. D

13. C

14. B

15. C

16. D

17. D

18. C

19. C

20. C

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Grade 5 Module 2 Spiral Assessment 3

**Part 1**

Read each question carefully and place each answer on the appropriate line on the answer sheet.

**1**

Beth wants to buy collector boxes that can hold 6 dolls each. How many boxes will

Beth need to buy for her collection of 168 dolls?

A) 28

B) 21

C) 34

D) 1,008

**2**

An auditorium has 1,224 seats. There are 36 seats in each row. Dave wants to know

how many rows of seats are in the auditorium. What is the first digit in the

quotient 1,224 ÷ 36?

A) 2

B) 3

C) 4

D) 5

**3**

The soccer field at Mario’s school has an area of 6,000 square meters. How can Mario show the area as a whole number multiplied by a power of ten?

A) 6 X sq m

B) 6 X sq m

C) 6 X sq m

D) 6 X sq m

**Go On**

**4**

A restaurant uses 64 carrots for each batch of soup. About how many batches of soup can the restaurant make from its last shipment of 1,325 carrots?

A) 15

B) 20

C) 30

D) 64

**5**

Darren needs to solve the problem 2,406 ÷ 6. In what place is the first digit of the quotient for the problem 2,406 ÷ 6?

A) ones

B) tens

C) hundreds

D) thousands

**6**

Megan used the following expression to find the quotient of a division problem.

(4 X 12) + (4 X 6)

A) 24 ÷ 4 = 6

B) 48 ÷ 4 = 12

C) 64 ÷ 4 = 16

D) 72 ÷ 4 = 18

**Go On**

During a school fundraiser, the fifth-grade classes sold rolls of wrapping paper.

**7**

The table shows how many rolls each class sold. The rolls were sold in packages of 4.

|  |  |
| --- | --- |
| **Class** | **Total Rolls** |
| **Ms. Lane** | **672** |
| **Mr. Milner** | **184** |
| **Mrs. Jackson** | **228** |

**Wrapping Paper Sold**

How many packages of wrapping paper did Ms. Lane’s class sell?

A) 2,688

B) 173

C) 168

D) 143

Which expression has a value of 6?

**8**

A) (6 ÷ 3) X 4 + 8

B) 27 – 9 ÷ 3 X (4 + 1)

C) (18 + 12) X 6 - 4

D) 71 – 5 X (9 + 4)

**9**

Jesse needs 15 gallons of paint to finish painting the exterior of his house. If he uses 10 quarts of the paint for the doors, how many quarts will be left for the

siding on the house?

A) 30 quarts

B) 50 quarts

C) 10 quarts

D) 5 quarts **Go On**

Which set of numbers is arranged in increasing order?

**10Go On**

A) 8.008, 8.090, 8.081, 8.080

B) 8.090, 8.081, 8.080, 8.008

C) 8.008, 8.080, 8.081, 8.090

D) 8.008, 8.081, 8.080, 8.090

A stadium holds 50,000 people. The stadium is divided into 250 different seating sections. How many seats are in each section?

**11Go On**

A) 200

B) 2000

C) 20,000

D) 200,000

**12**

How many zeros are in the product of (6x8) x

A) 1

B) 2

C) 3

D) 4

**Go On**

What number is 10 times less than 6,000?

**13**

A) 60,000

B) 6

C) 60

D) 600

**14**

The school soccer field measures 40 meters in width and 100 meters in length. What is the area of this soccer field ?

A) 140 sq. meters

B) 4,000 sq. meters

C) 400 sq. meters

D) 1,400 sq. meters

**15**

Divide to find the quotient.

1,908 ÷ 36

A) 53

B) 56

C) 43

D) 46

**Go On**

To find 19 + (11 + 37), Lennie added 19 and 11. Then he added 37 to the sum.

**16**

Which property did he use?

A) Commutative Property of Addition

B) Associative Property of Addition

C) Associative Property of Multiplication

D) Distributive Property

**17**

Compare the following. Use a place value chart to help if necessary.

5.8 Fifty-eight hundredths

A) **>**

B) **<**

C) **=**

D) **+**

**18**

Lucy has a piece of wire that is 62.4 inches long. He cuts the wire into 3 equal pieces. Which is the best estimate of the length of each piece of wire?

A) 2 inches

B) 3 inches

C) 20 inches

D) 30 inches **Go On**

Canada has a population that is about as large as the United States. If

**19**

Canada’s population is about 32 million, about how many people live in the United

States?

A) 3 million

B) 320 million

C) 3.2 million

D) 30 million

**20**

At the movies, Aaron buys popcorn for $5.25 and a bottle of water for $2.50. He pays with a $10.00 bill. How much change should Aaron receive?

A) $2.25

B) $2.50

C) $5.25

D) $7.75

**Go On**

Part 2 Short and Extended Response

Chris rode his bike along the same route every day for 60 days. He logged that he had gone exactly 127.8 miles.

**21**

a. How many miles did he bike each day? Show your work to explain how you know.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ miles

b. How many miles did he bike over the course of two weeks?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ miles

**22**

Lance measured 0.485 liter of water. Angel measured 0.5 liter of water. Lance said, “My beaker has more water than yours because my number has 3 decimal places and yours only has 1”. Is Lance correct?

Use words and numbers to explain your answer.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Stop** Grade 5 Module 2 Spiral Assessment 3 Answers

1. A

2. B

3. D

4. B

5. C

6. D

7. C

8. D

9. B

10. C

11. A

12. D

13. D

14. B

15. A

16. B

17. A

18. C

19. B

20. A

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5th Grade

Grade 5 Module 3 Spiral Assessment 4

**Part 1**

Read each question carefully and place each answer on the appropriate line on the answer sheet.

Susan wove three rugs with Navajo designs. She wrote this expression to show the total length in feet of all three rugs.

**1**

( + ) +

Which shows another way to write the expression using the Associative Property of Addition?

1. + +
2. + +
3. ( + ) +( + )
4. (8 + 11 + 15) + ( + + )

**2**

Molly bought pound of grapes and pound of cranberries. What is the least common denominator of the fractions?

1. 14
2. 16
3. 24
4. 128

**Go On**

Kevin bought 3 pounds of apples at the farmers’ market. Ava bought 2 pounds of apples. How many pounds of apples did Kevin and Ava buy in all?

**3**

1. 5
2. 5
3. 5
4. 6

**4**

Amy rode her bicycle 26.5 miles in 4 hours. Which gives the **best** estimate of how far Amy rode in 1 hour?

1. 0.5 mile
2. 0.6 mile
3. 5 mile
4. 7 mile

**5**

Which fraction is equivalent to?

1. 

B) 

1. 

D) 

**Go On**

**6**

Marci mailed 9 letters at the post office. Each letter weighed 3.5 ounces. What was the total weight of the letters that Marci mailed?

1. 27.5 ounces
2. 31.5 ounces
3. 32.5 ounces
4. 33.5 ounces

**7**

Molly needs a piece of string feet long for a science project. She cuts it from a piece that is feet long. How much string does she have left?

1. feet
2. feet
3. feet
4. feet

**8**

Timothy jogged mile on Monday and mile on Tuesday, how much **farther** did Timothy jog on Monday than on Tuesday?

1. mile
2. mile
3. mile
4. mile

**Go On**

Kelly hiked each day for a week. The first day she hiked mile, the second day she hiked mile, and the third day she hiked mile. By how much did she increase the distance she hiked each day?

**9**

1. miles
2. miles
3. miles
4. miles

**10**

What is the value of the expression (4 + 5) – 3 x 2?

A) 3

B) 6

C) 9

D) 12

**11**

Lisa bought tomatoes that cost $0.84 per pound. She paid $3.36 for the tomatoes. How many pounds of tomatoes did she buy?

1. 0.04 pound
2. 0.4 pound
3. 4 pounds
4. 40 pounds

**Go On**

A total of 228 race cars qualified for heat races. Each heat race will have 12 race cars. How many heat races will there be?

**12 Go On**

A) 2,736

B) 19

C) 18

D) 9

**13 Go On**

Dean rode his bike mile from his house to the store. Then he rode mile to his uncle’s house. Use benchmarks to estimate how far he rode his bike altogether.

1. about mile
2. about 1 mile
3. about miles
4. about 2 miles

**144Go On**

The school store is expecting a big demand for sweatshirts because the football team is playing in a championship game next week. The store placed an order for 100 sweatshirts. Each sweatshirt costs $8.95. How much did the order of sweatshirts cost the store?

1. $89.50
2. $895
3. $8,950
4. $89,500

**Go On**

**15Go On**

Tony has a ribbon that measures 0.75 meters in length. He cuts 0.125 meter off the ribbon and gives it to a friend. How much ribbon is left?

1. 0.2 meter
2. 0.5 meter
3. 0.625 meter
4. 0.635 meter

**16Go On**

A counselor at Meadowland Camp has 225 yards of lanyard to give to 100 campers to make lanyard key chains. Each camper will get the same length of lanyard. How much lanyard will each camper get?

A) 22.5 yards

B) 0.0225 yard

C) 0.225 yard

D) 2.25 yards

**Go On**

Ana bought pound of Swiss cheese and pound of American cheese. Which pair of fractions cannot be used to find how many pounds of cheese she bought in all?

**17Go On**

1. and
2. and
3. and
4. and

**18Go On**

The diamond in Angela’s necklace weighs 0.258. What digit is in the hundredths place?

1. 0
2. 2
3. 5
4. 8

Johnny caught 3 fish weighing a total of pounds. Two of the fish weighed and pounds. How much did the third fish weigh?

**19**

1. pounds
2. pounds
3. pounds
4. pounds

**Go On**

A stock boy at a grocery store stacked 12 cans of tuna to make a display. The height of the stack of cans is 40.8 centimeters. If the cans of tuna are all the same height, what is the height of each can of tuna?

**20**

**12 On**

1. 3.04 centimeters
2. 3.4 centimeters
3. 30.4 centimeters
4. 34 centimeters

**21**

**12 On**

Jane’s class is making straw baskets to enhance their study of Native Americans. Jane starts with a strip of wicker 42 inches long. From her strip she cuts one piece, but forgets to measure its length, then she cuts a piece that is 6 inches long. The piece left is 7 inches long. What is the length of the first piece she cut from the strip?

A) 28

B) 27

C) 40

D) 16

**22**

**12 On**

Last Saturday, Tara hiked along a trail that was 9.66 miles long. It took her 4.2 hours to hike the complete trail. What was Tara’s average speed per hour?

A) 0.23 miles per hour

B) 2.3 miles per hour

C) 20.3 miles per hour

D) 23 miles per hour

**Go On**

Mary, Amanda, and Ashley went to the mall. Mary spent $16.25 at the mall. Amanda spent $3.49 more than Mary spent. Ashley spent 2 times as much money as Amanda spent. How much money did Ashley spend at the mall?

**23**

**12 On**

A) $6.80

B) $19.65

C) $32.50

D) $39.48

**24**

**12 On**

Three packages of cookies weigh 387.56 grams, 387.6 grams and 387.09 grams. What is the difference between the lightest and heaviest package?

A) 0.04 grams

B) 0.51 grams

C) 0.47 grams

D) 0.69 grams

**25**

**12 On**

Mary watered her garden with 1gallons of water the first week she planted it. She watered it with 1gallons the second week, and 2gallons the third week. If she continued watering in this pattern, how much water will she use on the fifth week?

A) 2gallons

B) 2gallons

C) 3 gallons

D) 6 gallons

**Go On**

**Part 2 Short and Extended Response**

Three florists sold roses for one hour on Mother’s Day. Lily sold as many roses as Bud. Bud sold as many roses as Flora. Flora sold 144 roses. How many roses did Lily sell?

**26On**

*Show your work*

Christine baked a pumpkin pie. She ate of the pie. Her brother ate of it, and gave the left overs to his friends. What fraction of the pie did he give to his friends?

**27**

**12 On**

*Use any visual strategy to solve*

**Stop**

Grade 5 Module 3 Spiral Assessment 4 Answers

1. B

2. B

3. C

4. D

5. B

6. B

7. D

8. C

9. D

10. A

11. C

12. B

13. C

14. B

15. C

16. D

17. C

18. C

19. C

20. B

21. B

22. B

23. D

24. B

25. B

**Part 2**

26. Lily sold 24 roses

27. or

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Grade 5 Module 4 Spiral Assessment 5

**Part 1**

Read each question carefully and place each answer on the appropriate line on the answer sheet.

Five friends share 3 bags of popcorn. What fraction of a bag of popcorn does each friend get?

**1**

1. 1

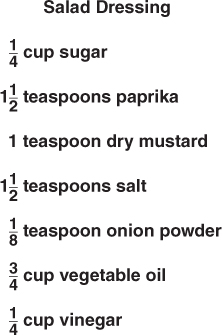
**2**

Donna, Lorene, and Michelle will cut a length of fabric that is 29.8 feet long into 3 equal pieces. Each of the 3 pieces will be the same length. Which is the best estimate of the length of each piece?

1. 10 feet
2. 9 feet
3. 1.9 feet
4. 0.9 foot

**Go On**

Use the list of ingredients to answer question #3.



Lauren decides to make 5 batches of salad dressing. How much sugar and salt will she use?

**3**

1. 5
2. 5
3. 8
4. 6

**4**

Brenda made a pound cake. She gave equal portions of of the cake to six friends. Which diagram could Brenda use to find the fraction of the whole pound cake that each friend got?

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



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

C)

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

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

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

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

D)

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

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

**Go On**

Cathy cut 2 apples into 6 slices each. She ate 9 slices.

**5**

Which expression could she use to explain how many slices she ate?

A) (2 X 6) - 9

B) (6 X 9) - 2

1. (9 X 2) - 6

D) (9 - 6) X 2

**6**

Arlene purchased 8 packages of chop meat to make hamburgers for the school

picnic. Each package weighed 4.2 pounds. What was the total weight of the

packages that Arlene purchased?

A) 33.6 pounds

B) 33 pounds

1. 32.6 pounds

D) 12.2 pounds

**7**

A baker made 9 cupcakes, each a different type. Four people want to share them

equally. Express the answer as a fraction.

1. 9 ÷ 4
2. 36 fourths ÷ 4

**Go On**

A scientist had liter of solution. He used of the solution for an experiment.

**8**

How much solution did the scientist use for the experiment?

1. liter
2. liter
3. liter
4. liter

Mr. Thomas wrote 4 statements on the board and asked the class which of the

**9**

following statements is true?

1. x is equal to
2. x is less than
3. x 8 is less than
4. x 5 is greater than 5

**10**

Louis wants to carpet the rectangular floor of his basement. The basement has

an area of 864 square feet. The width of the basement is its length.

What is the length of Louis’s basement?

A) 24 feet

B) 36 feet

C) 48 feet

D) 576 feet

**Go On**

**11**

What number is 1,000 times more than 7.5?

1. 0.0075
2. 0.075
3. 7,500
4. 75,000

Which fractions use the least common denominator and are equivalent to and ?

**12 Go On**

A) and

B) and

C) and

D) and

**13 Go On**

The table shows how many hours some students worked on their math project.

Math Project

|  |  |
| --- | --- |
| Name | Hours Worked |
| Carl | 5 |
| Sonia | 6 |
| Tony | 5 |

How many more hours did Sonia work than Carl?

1. 1 hours
2. hours
3. 1 hours
4. 1 hours **Go On**

**144Go On**

Which of the following statements is true?

1. 7.63 > 7.629
2. 5.134 > 5.14
3. 8.23 < 8.230
4. 4.079 = 4.790

**15Go On**

Trisha’s mom baked 16 muffins. Two-eighths of the muffins have cranberries.

[](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&docid=EkzcckN32lJWGM&tbnid=KmOZ_BdhfnDbjM:&ved=0CAUQjRw&url=http://www.fitnessandfreebies.com/wheatfree/wf32.html&ei=Dc3XU-CFKIulyATEzIK4CQ&bvm=bv.71778758,d.aWw&psig=AFQjCNGVkL0niL2DixNlVg7jCTrrwwrCUQ&ust=1406737820140777)



How many of the muffins have cranberries?

1. 12
2. 8
3. 4
4. 2

**16Go On**

At a concession stand, medium sodas cost $1.25 and hot dogs cost $2.50. Jack brought 2 hot dogs and a medium soda. He paid with a $20.00 dollar bill. How much change does Jack get back?

A) $6.25

B) $13.75

C) $ 3.75

D) $23.75

**Go On**

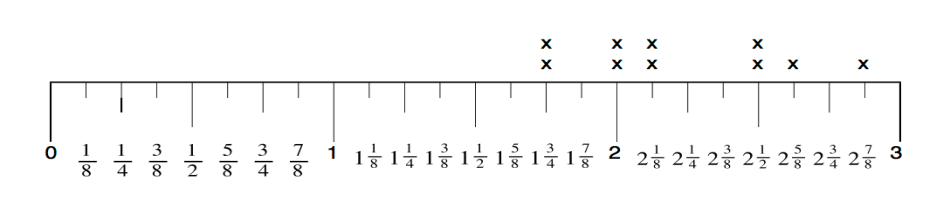
Mara bought 9 yards of ribbon on a spool. She cut the ribbon into yard pieces. Which equation represents the number of pieces of ribbon, *n*, Mara has now?

**17Go On**

1. = *n*
2. = *n*
3. = *n*
4. = *n*

**18Go On**

The following line plot shows the growth of 10 crayfish.



What is the difference between the longest and shortest measurement?

1. 1
2. 4
3. 3

Which property is shown below?

**19**

3 x 25 = (3 x 20) + (3 x 5)

A) Commutative Property

B) Distributive Property

C) Associative Property

D) Identity Property

**Go On**

Sue is decorating 20 cakes. She frosts of the cakes with vanilla icing and

**20**

**12 On**

of the remaining cakes with chocolate icing. The rest of the cakes will be iced with mint icing. How many cakes have mint icing?

1. 10 cakes
2. 6 cakes
3. 8 cakes
4. 12 cakes

**21**

**12 On**

A swimming pool at a park measures 9.75m by 7.2m.

Find the area of the swimming pool.

A) 72.2m

B) 71.2m

C) 72.0m

D) 70.2m

**22**

**12 On**

Fill in the blank.

x 1 = x =

A)

B)

C) 1

D) 2

**Go On**

What is the quotient of ?

**23**

**12 On**

A) 18,000

B) 1,800

C) 0.18

D) 0.018

**24**

**12 On**

Three packages of cookies weigh 387.56 grams, 387.6 grams and 387.09 grams. What is the difference between the lightest and heaviest package?

A) 0.04 grams

B) 0.51 grams

C) 0.47 grams

D) 0.69 grams

**25**

**12 On**

Mary watered her garden with 1gallons of water the first week she planted it. She watered it with 1gallons the second week, and 2gallons the third week. If she continued watering in this pattern, how much water will she use on the fifth week?

A) 2gallons

B) 2gallons

C) 3 gallons

D) 6 gallons

**Go On**

**Part 2 Short and Extended Response**

Jill’s mom used of a gallon of honey to bake 3 loaves of bread. If she used an equal amount of honey in each loaf, how much honey did she use for 1 loaf?

**26On**

*Write and equation or draw a tape diagram to solve.*

**27**

**12 On**

Part A

Lila collected the honey from 3 of her beehives. From the first hive she collected gallon of honey. The last 2 hives yielded gallon each. How many gallons of honey did Lila collect in all?

Write an equation or draw a diagram to solve.

Part B

After using some of the honey she collected for baking, Lila found she only had gallon of honey left. How much did she use for baking?

**Stop**

Grade 5 Module 4 Spiral Assessment 5

1. B

2. B

3. C

4. D

5. B

6. B

7. D

8. C

9. D

10. A

11. C

12. B

13. C

14. B

15. C

16. D

17. C

18. C

19. C

20. B

21. B

22. B

23. D

24. B

25. B

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Grade 5 Module 5 Spiral Assessment 6

**Part 1**

Read each question carefully and place each answer on the appropriate line on the answer sheet.

An ice cube tray has two rows of 8 cubes in each. How many ice cubes are in a stack of 10 ice cube trays?

**1**

1. 80 ice cubes
2. 800 ice cubes
3. 160 ice cubes
4. 16 ice cubes

**2**

Mrs. Smith is constructing a box in the shape of a rectangular prism to store clothes for the summer. It has a length of 28 inches, a width of 24 inches, and a height of 30 inches? What is the volume of the box?

1. 672 inches
2. 702 inches
3. 82 inches
4. 20,160 inches

**Go On**

The following solid is made up of 1-cm cubes. Find the total volume of the figure.

**3**

**4**

Lisa’s bedroom has the dimensions of 12ft x 10ft x 10ft. Her den has the same height, but double the volume. What is the volume of the den?

1. 2,400 ft3

1. 1,200 ft3

C) 120 ft3

D) 240 ft3

**Go On**

Don is using a microscope to look at a plant specimen. The microscope magnifies

**5**

the specimen 4 X times. If the specimen is 3 centimeters long, how long will

the magnified specimen appear to be?

A) 70 centimeters

B) 120 centimeters

1. 700 centimeters

D) 1,200 centimeters

**6**

Find the total volume of the figure below.

3 cm

9 cm

7 cm

21 cm

18 cm

2cm

A)

B)

C)

D)

**Go On**

A fish tank has a base area of 45 cm2 and is filled with water to a depth of 12 cm. If the height of the tank is 25 cm, how much more water will be needed to fill the tank to the brim?

**7**

Find the area of the following rectangle.

**8**

m x m

1. m2
2. 16 m2
3. 192 m2
4. m2

**Go On**

Joe uses square tiles, some of which he cuts in half, to make the figure below. If each square tile has a side length of inches, what is total area of the figure?

**9**

A) 81 in2

B) 13 in2

C) 2 in2

D) 6 in2

**10**

The table lists the top four times for the 100-meter hurdles event.

|  |  |
| --- | --- |
| Name | Time (in seconds) |
| Shakira | 15.45 |
| Jameel | 15.09 |
| Lindsay | 15.6 |
| Nicholas | 15.3 |

Who had the **fastest** time?

1. Shakira
2. Jameel
3. Lindsay
4. Nicholas

**Go On**

Randy has 4 unit cubes. How many different rectangular prisms can he make

**11**

using all 4 unit cubes?

A) 2

B) 3

C) 5

D) 7

What is the total volume of the composite figure?

**12 Go On**

2 m

10 m

4 m

15 m

9 m

12 m

A) 552 m3

B) 120 m3

C) 52m3

D) 432m3

**Go On**

To earn money for his vacation, Grayson works at a local shop on weekends. His

**13 Go On**

job is to cut bricks of fudge into 0.25 pound squares. If he cute 36 equal-sized

squares on Saturday, how many pounds of fudge has Grayson cut?

1. 7.25 pounds
2. 9 pounds
3. 90 pounds
4. 72.5 pounds

**144Go On**

Which shape has no parallel sides and no right angles?

A)

B)

C)

D)

**Go On**

**15Go On**

Mary watered her garden with 1gallons of water the first week she planted it. She watered it with 1gallons the second week, and 2gallons the third week. If she continued watering in this pattern, how much water will she use on the fifth week?

A) 2gallons

B) 2gallons

C) 3 gallons

D) 6 gallons

**16Go On**

Maria has 12 cousins. Of the 12 cousins, of them are girls.

How many of Maria’s cousins are girls?

A) 9

B) 8

C) 6

D) 3

**17Go On**

Which statements are true?

I If you multiply 6 X **,** then the product is greater than 6.

II If you multiply 3 X , then the product is greater than 3.

III If you multiply 2 X 3, then the product is greater than 2.

1. III
2. I and III
3. I and II
4. I, II, and III **Go On**

Which statement about the value of the underlined digit is true?

**18Go On**

72.**2**16

A) It is as much as the value of the digit 2 to its left.

B) It is as much as the value of the digit 2 to its left.

C) It is 10 times as much as the value of the digit 2 to its left.

D) It is 100 times as much as the value of the digit 2 to its left.

**19**

Ashton picked 6 pounds of pecans. He wants to share the pecans equally among 5 of his neighbors. How many pounds of pecans will each neighbor get?

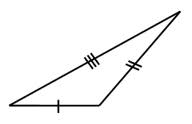
1.  pound
2.  pound
3. 1pounds
4. 2 pounds

**Go On**

**20**

**12 On**

Nathan drew this triangle.



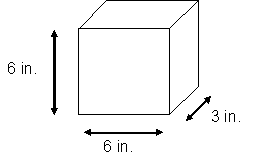
Which of the following best classifies the triangle?

1. scalene, acute
2. scalene, obtuse
3. isosceles, acute
4. isosceles, obtuse

**21**

**12 On**

When Emma went to college, her mother packed up all her old skiing trophies into a box with the dimensions shown.



She needed 3 boxes to hold all her trophies. What is the total volume of these boxes?

A) 108 in3

B) 324 in3

C) 15 in3

D) 36 in3

**Go On**

A storage bin in the shape of a rectangular prism has a volume of 5,400 cubic inches. The base area of the storage bin is 450 square inches. What is the height of the storage bin?

**22**

**12 On**

A) 9 inches

B) 11 inches

C) 12 inches

D) 15 inches

A cube with edge length 1 unit, called a “\_\_\_\_\_\_,” is said to have one cubic unit of volume.

**23**

**12 On**

A) square cube

B) unit cube

C) rectangular cube

D) cube

**24**

**12 On**

Samuel walks in a Labor Day parade. He walks 3 miles along the parade route and 2 miles home. How many miles does Samuel walk?

1. mile
2. 5 miles
3. 5 miles
4. 6 miles

**Go On**

**25**

**12 On**

Ricardo is looking at a list of properties used to classify some quadrilaterals.

I All the angles are right angles.

II Has two sets of parallel sides.

III All the sides are the same length.

Which statements apply to both a rectangle and a square?

1. II and III
2. I and II
3. I and III
4. I, II and III

**Go On**

**Part 2 Short and Extended Response**

A beaker contains 250 mL of water. Jack wants to pour the water into a container that will hold the water. Which of the containers pictured below could he use? Explain your choices.

**26On**

2 cm

25 cm

**C**

5 cm

6 cm

12 cm

12 cm

**A**

3 cm

5 cm

10cm

**D**

Area =

75 cm2

3 cm

**E**

Area = 20 cm2

12 cm

**B**

**Go On**

The width of a picnic table is 3 times its length. If the length is yd long, what is the area in square feet?

**27On**

**Stop**

Grade 5 Module 5 Spiral Assessment 6

1. C

2. D

3. A

4. A

5. D

6. C

7. D

8. B

9. A

10. B

11. A

12. A

13. B

14. C

15. B

16. B

17. B

18. B

19. C

20. B

21. B

22. C

23. B

24. D

25. B