

Review Packet #1

Name Answer key

Standards Practice

CC.5.NBT.4 Use place value understanding to round decimals to any place.

- Andrew has a file on his computer that is 144.138 megabytes in size. Which is this number rounded to the nearest hundredth of a megabyte?
 A 144.14 megabytes
B 144.13 megabytes
C 144.1 megabytes
D 100 megabytes
- Which is the number rounded to the underlined digit?
5.1593
A 5.15
B 5.15103
 C 5.159
D 5.160
- Which is 10.319 rounded to the nearest tenth?
A 10.4
B 10.32
 C 10.3
D 10
- A scientist reads that the atomic weight of hydrogen is 1.00794. What is the number rounded to the nearest thousandth?
1.008
- Which is 453.1919 rounded to the hundredths place?
A 453.192
 B 453.19
C 453.2
D 500
- Evan divides 2 by 7 with his calculator. The calculator says the quotient is 0.2857. Which is the quotient rounded to the nearest thousandth?
A 0.285
 B 0.286
C 0.29
D 0.3
- A shopkeeper calculates that the tax on a pair of sunglasses is \$2.185. What is the tax rounded to the nearest penny?
\$2.19

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8. A traveler weighs her suitcase before boarding an airplane. The suitcase weighs 21.148 pounds. Which is the weight of the suitcase rounded to the nearest tenth of a pound?
- A 21.1 pounds
 B 21.15 pounds
 C 21.2 pounds
 D 21.25 pounds
9. The price of one gallon of heating oil is \$2.689. Which is this number rounded to the nearest penny?
- A \$2.68
 B \$2.69
 C \$2.70
 D \$3.00
10. Which is 8.952 rounded to the nearest tenth?
- A 8.0
 B 8.9
 C 8.95
 D 9.0
11. During one shift at his job, Malik works 8.56 hours. How many hours does he work rounded to the nearest tenth of an hour?
- 8.6 hours
12. The price of a large coffee is \$1.64. Which is the price rounded to the nearest tenth of a dollar?
- A \$1.60
 B \$1.65
 C \$1.70
 D \$2.00
13. Which is the number rounded to the underlined digit?
- 9.8708
- A 9.870
 B 9.871
 C 9.877
 D 9.878
14. Francine lives 3.227 miles from her best friend. What is the distance from Francine's home to her best friend's home, rounded to the nearest tenth of a mile?
- 3.2 miles

Name _____

CC.5.NBT.2 Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.

- 1. Look at the multiplication sentences below.

$$25 \times 10 = 250$$

$$25 \times 100 = 2,500$$

$$25 \times 1,000 = 25,000$$

Which is the relationship between the number of zeros in the product and the number of zeros in the factor that is a power of ten?

- A** The number of zeros in the product is the same as the number of zeros in the factor that is the power of ten.
- B** The number of zeros in the product is twice the number of zeros in the factor that is the power of ten.
- C** The number of zeros in the product is half the number of zeros in the factor that is the power of ten.
- D** The number of zeros in the product is four times the number of zeros in the factor that is the power of ten.

- 2. Use the expression below.

$$16 \times 10^3$$

Which shows how many zeros will be in the product?

- A** 0
- B** 1
- C** 2
- D** 3

- 3. Use the expression below.

$$34.1 \div 100$$

What is the quotient?

0.341

- 4. Look at the multiplication sentences below.

$$4.5 \times 10 = 45$$

$$4.5 \times 100 = 450$$

$$4.5 \times 1,000 = 4,500$$

Which tells how the decimal point in the first factor moves in relation to the number of zeros in the other factor?

- A** The decimal point moves two places to the left for each zero in the second factor.
- B** The decimal point moves one place to the left for each zero in the second factor.
- C** The decimal point moves one place to the right for each zero in the second factor.
- D** The decimal point moves two places to the right for each zero in the second factor.

- 5. Use the expression below.

$$1.7 \div 10^4$$

Which tells the direction and how many places the decimal point will move to find the quotient from 1.7?

- A** The decimal point will move four places to the right.
- B** The decimal point will move three places to the right.
- C** The decimal point will move three places to the left.
- D** The decimal point will move four places to the left.

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6. Look at the division sentences below.

$$11 \div 10 = 1.1$$

$$11 \div 100 = 0.11$$

$$11 \div 1,000 = 0.011$$

Which tells how the decimal point in the quotient moves in relation to the number of zeros in the divisor?

- A** The decimal point moves two places to the right for each zero in the divisor.
- B** The decimal point moves one place to the right for each zero in the divisor.
- C** The decimal point moves one place to the left for each zero in the divisor.
- D** The decimal point moves two places to the left for each zero in the divisor.

7. Use the expression below.

$$8 \times 10^5$$

Which shows how many zeros will be in the product?

- A** 6
- B** 5
- C** 4
- D** 3

8. Use the expression below.

$$101 \div 10^3$$

What is the quotient?

0.101

9. Use the expression below.

$$10 \times 10^2$$

Which shows how many zeros will be in the product?

- A** 3
- B** 2
- C** 1
- D** 0

10. Use the expression below.

$$43 \div 10$$

Which tells the direction and how many places the decimal point will move from 43 to find the quotient?

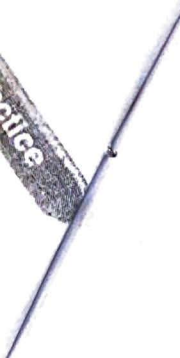
- A** The decimal point will move one place to the left.
- B** The decimal point will move two places to the left.
- C** The decimal point will move two places to the right.
- D** The decimal point will move one place to the right.

11. Use the expression below.

$$19.89 \times 1,000$$

What is the product?

19,890



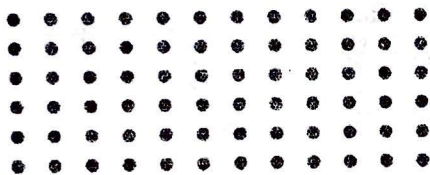
Name _____

CC.5.NBT.6 Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

1. There were 663 students at sports camp. The students were divided into 39 teams of equal size for the camp tournament. How many students were there in each team?

- A 17 students
- B 16 students
- C 15 students
- D 7 students

2. Based on the model, what is the quotient when 72 is divided by 6?



- A 6
- B 11
- C 12
- D 13

3. For his after-school job, Doug painted 25 fence posts in 350 minutes. If it took Doug the same amount of time to paint each fence post, how many minutes did it take him to paint 1 fence post?

14 minutes

4. Dory's printer prints 24 pages of a document per hour. How many hours will it take Dory's printer to print 384 pages of a document?

- A 6 hours
- B 8 hours
- C 12 hours
- D 16 hours

5. Mr. Broward packs a shipping carton with 20 equal-sized bags of marbles. If Mr. Broward packs a total of 4,000 marbles in the shipping carton, how many marbles are there in each bag?

- A 20 marbles
- B 50 marbles
- C 100 marbles
- D 200 marbles

6. Rosa planted 210 tomato seeds. She had 15 small pots for planting the seeds. If Rosa planted the same number of seeds in each pot, how many seeds did she plant in each pot?

14 seeds

7. The machine at B&B Toy Company makes 1,045 mini-cars in one hour. The mini-cars are then packaged into boxes that hold 11 each. How many boxes of mini-cars does the company make in one hour?

- A 85
- B 95
- C 105
- D 115

8. Halaina wrote the problems below.

$$47 \times 31 = 1,457$$

$$1,457 \div 47 =$$

What is the quotient in Halaina's problem?

- A 47
- B 31
- C 30
- D 25

9. A developer purchases 1,628 acres of land. She splits it into equal-sized plots of 22 acres each. How many plots does the developer create?

74 plots

10. Angel used 805 tiles to make a project for his art class. First he drew 7 squares. Then he filled in each square with an equal number of tiles. How many tiles did Angel place in each square?

- A 115
- B 111
- C 105
- D 95

11. A small baseball card manufacturer prints 9,900 baseball cards. It then puts the cards into packs of 12 cards each. How many packs of baseball cards does the manufacturer create?

- A 495
- B 660
- C 825
- D 990

12. Dwayne works 14 hours per week at the veterinarian's office. He worked 168 hours last year. How many weeks did Dwayne work last year?

12 weeks