

**5th Grade Chapter 3 – Dividing with One-Digit Divisors****Multiple Choice**

Identify the letter of the choice that best completes the statement or answers the question.

1. Which model represents 18 objects divided into 6 equal groups?

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<b>B.</b>	<table border="1"><tr><td>X X X</td></tr></table>	X X X	<table border="1"><tr><td>X X X</td></tr></table>	X X X	<b>D.</b>	<table border="1"><tr><td>X X X X</td></tr></table>	X X X X	<table border="1"><tr><td>X X X X</td></tr></table>	X X X X
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2. There are 12 people on a basketball team. The coach asks the team to divide into groups of 2 for drills. Which equation can you use to find how many people are in each group?

<b>A.</b> $12 + 6 = n$	<b>C.</b> $12 \div 2 = n$
<b>B.</b> $12 - 2 = n$	<b>D.</b> $2 \times 6 = n$

3. The Ramirez family just drove 256 miles in 4 hours. If they drove the same speed the whole time, how many miles did they drive each hour?

<b>A.</b> 61 miles	<b>C.</b> 64 miles
<b>B.</b> 54 miles	<b>D.</b> 59 miles

4. Juli baked 288 muffins in 3 hours. How many muffins did she bake each hour?

<b>A.</b> 96 muffins	<b>C.</b> 89 muffins
<b>B.</b> 92 muffins	<b>D.</b> 84 muffins

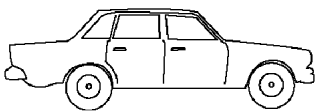
5. What will be the remainder for the quotient of 329 and 6?

<b>A.</b> 2	<b>C.</b> 8
<b>B.</b> 5	<b>D.</b> 9

6. Juanita and 4 friends are going to distribute leaflets for a Humane Society fundraiser. If there are 1,035 leaflets to distribute, how many does each need to take?
- A. 201 leaflets                      C. 259 leaflets  
B. 270 leaflets                      D. 207 leaflets
7. A yellow warbler migrating from Albany, New York to Jacksonville, Florida has to fly 1,064 miles. How many miles does it fly each week if the journey takes 4 weeks?
- A. 201 miles                          C. 243 miles  
B. 211 miles                          D. 266 miles
8. Bakery employees are putting 2,418 cookies into packages that hold 8 cookies each. To find out how many packages are needed, one employee divides 2,418 by 8 and gets the answer shown below. How can the result be checked?
- $2,418 \div 8 = 302 \text{ R}2$
- A. Multiply 2,418 by 2, and then add 8.  
B. Multiply 302 by 2, and then add 8.  
C. Multiply 302 by 8, and then add 2.  
D. Multiply 8 by 2, and then add 302.

**Short Answer**

9. A car travels 300 miles in 6 hours and travels the same distance each hour. How many miles does the car travel each hour?



10. Maria earned \$420 at her uncle's orchard. If she stayed for 7 weeks and earned the same amount of money each week, how much did she earn per week?



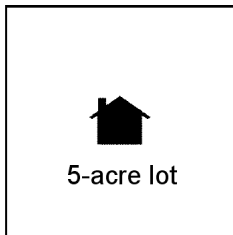
Name: \_\_\_\_\_

11. Charles and six friends made hats to sell at the fair. If they share their profit of \$245 equally, how much money will each get?



12. If 7 people share \$224 equally, how much money will each person get?

13. A field is being divided into 5-acre lots for houses. If there are a total of 955 acres, how many lots can be created?



14. Five classes from a school in Connecticut collected a total of 1,080 pounds of paper to recycle. If each class collected the same amount, how much did each class collect?

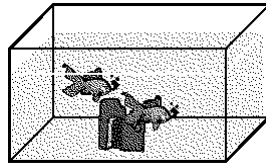
15. Donna is putting 972 pencils into 9 boxes. If each box is to have the same number of pencils, how many pencils will be in each box?



16. A manufacturing plant produced 963 parts in 9 hours. If the plant produced an equal number of parts each hour, how many parts did it produce in 1 hour?

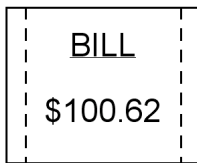
17. The pet store can keep 7 fish in each tank. To find the number of tanks needed for 4,937 fish, the store manager divided by 7 as shown.

$$\begin{array}{r} 705 \text{ R}2 \\ 7 \overline{) 4,937} \end{array}$$



How can the manager check the result?

18. Six friends spent \$100.62 on decorations for a party. If they split the cost equally, how much did each pay?



19. Andy bought 3 equally priced tropical fish for \$16.77. What was the cost of each fish?



## 5th Grade Chapter 3 – Dividing with One-Digit Divisors

### Answer Section

#### MULTIPLE CHOICE

1. ANS: A REF: 0301 Lesson 3-1: The Meaning of Division  
 OBJ: Draw a picture or use objects to show a division situation and find quotients.  
 STO: N.MR.05.01  
 TOP: Intervention G33: Division as Sharing or Repeated Subtraction, NCTM 3-5: Num.2.3  
 KEY: division, whole numbers
2. ANS: C REF: 0301 Lesson 3-1: The Meaning of Division  
 OBJ: Draw a picture or use objects to show a division situation and find quotients.  
 STO: N.MR.05.01  
 TOP: Intervention G33: Division as Sharing or Repeated Subtraction, NCTM 3-5: Num.2.3  
 KEY: division, equations, Physical Education
3. ANS: C REF: 0306 Lesson 3-6: Dividing Whole Numbers  
 OBJ: Divide three-digit whole numbers by one-digit divisors. STO: N.MR.05.01  
 TOP: Intervention G54: Dividing Multidigit Numbers, NCTM 3-5: Num.2.2, NCTM 3-5: Num.2.3,  
 NCTM 3-5: Num.3.2, NCTM 3-5: Num.3.3 KEY: division, whole numbers
4. ANS: A REF: 0306 Lesson 3-6: Dividing Whole Numbers  
 OBJ: Divide three-digit whole numbers by one-digit divisors. STO: N.MR.05.01  
 TOP: Intervention G54: Dividing Multidigit Numbers, NCTM 3-5: Num.2.2, NCTM 3-5: Num.2.3,  
 NCTM 3-5: Num.3.2, NCTM 3-5: Num.3.3 KEY: division, whole numbers
5. ANS: B REF: 0306 Lesson 3-6: Dividing Whole Numbers  
 OBJ: Divide three-digit whole numbers by one-digit divisors. STO: N.MR.05.01  
 TOP: Intervention G54: Dividing Multidigit Numbers, NCTM 3-5: Num.2.2, NCTM 3-5: Num.2.3,  
 NCTM 3-5: Num.3.2, NCTM 3-5: Num.3.3 KEY: division, whole numbers
6. ANS: D REF: 0307 Lesson 3-7: Dividing: Zeros in the Quotient  
 OBJ: Divide with zeros in the quotient. STO: N.MR.05.01  
 TOP: Intervention G52: Zeros in the Quotient, NCTM 3-5: Num.2.3, NCTM 3-5: Num.3.2, NCTM 3-5:  
 Num.3.3 KEY: division, whole numbers
7. ANS: D REF: 0308 Lesson 3-8: Dividing Larger Dividends  
 OBJ: Find the quotients of four-digit whole numbers divided by one-digit divisors.  
 STO: N.MR.05.01  
 TOP: Intervention G54: Dividing Multidigit Numbers, NCTM 3-5: Num.2.3, NCTM 3-5: Num.3.2,  
 NCTM 3-5: Num.3.3 KEY: division, whole numbers, Biology
8. ANS: C REF: 0308 Lesson 3-8: Dividing Larger Dividends  
 OBJ: Find the quotients of four-digit whole numbers divided by one-digit divisors.  
 STO: N.MR.05.01  
 TOP: Intervention G54: Dividing Multidigit Numbers, NCTM 3-5: Num.2.3, NCTM 3-5: Num.3.2,  
 NCTM 3-5: Num.3.3 KEY: division, whole numbers

## SHORT ANSWER

9. ANS:  
50 miles

REF: 0302 Lesson 3-2: Division Patterns

OBJ: Find the quotient of a division problem whose dividend is a multiple of 10, where the division involves a basic fact. STO: N.MR.05.05

TOP: Intervention G36: Mental Math: Division Patterns, NCTM 3-5: Num.2.3, NCTM 3-5: Num.3.1, NCTM 3-5: Num.3.2

KEY: division, number patterns, whole numbers

10. ANS:  
\$60.00

REF: 0302 Lesson 3-2: Division Patterns

OBJ: Find the quotient of a division problem whose dividend is a multiple of 10, where the division involves a basic fact. STO: N.MR.05.05

TOP: Intervention G36: Mental Math: Division Patterns, NCTM 3-5: Num.2.3, NCTM 3-5: Num.3.1, NCTM 3-5: Num.3.2

KEY: division, number patterns, money

11. ANS:  
\$35

REF: 0305 Lesson 3-5: Understanding Division

OBJ: Find quotients using the model of sharing money. STO: N.MR.05.01

TOP: Intervention G46: Modeling Division, NCTM 3-5: Num.3.2

KEY: division, money

12. ANS:  
\$32

REF: 0305 Lesson 3-5: Understanding Division

OBJ: Find quotients using the model of sharing money. STO: N.MR.05.01

TOP: Intervention G46: Modeling Division, NCTM 3-5: Num.3.2

KEY: division, money

13. ANS:  
191 lots

REF: 0306 Lesson 3-6: Dividing Whole Numbers

OBJ: Divide three-digit whole numbers by one-digit divisors. STO: N.MR.05.01

TOP: Intervention G54: Dividing Multidigit Numbers, NCTM 3-5: Num.2.2, NCTM 3-5: Num.2.3, NCTM 3-5: Num.3.2, NCTM 3-5: Num.3.3

KEY: division, whole numbers

14. ANS:

216 pounds

REF: 0306 Lesson 3-6: Dividing Whole Numbers

OBJ: Divide three-digit whole numbers by one-digit divisors. STO: N.MR.05.01

TOP: Intervention G54: Dividing Multidigit Numbers, NCTM 3-5: Num.2.2, NCTM 3-5: Num.2.3, NCTM 3-5: Num.3.2, NCTM 3-5: Num.3.3

KEY: division, whole numbers, Science

15. ANS:

108 pencils

REF: 0307 Lesson 3-7: Dividing: Zeros in the Quotient

OBJ: Divide with zeros in the quotient. STO: N.MR.05.01

TOP: Intervention G52: Zeros in the Quotient, NCTM 3-5: Num.2.3, NCTM 3-5: Num.3.2, NCTM 3-5: Num.3.3

KEY: division, whole numbers

16. ANS:

107 parts

REF: 0307 Lesson 3-7: Dividing: Zeros in the Quotient

OBJ: Divide with zeros in the quotient. STO: N.MR.05.01

TOP: Intervention G52: Zeros in the Quotient, NCTM 3-5: Num.2.3, NCTM 3-5: Num.3.2, NCTM 3-5: Num.3.3

KEY: division, whole numbers

17. ANS:

Multiply 705 by 7, and then add 2.

REF: 0308 Lesson 3-8: Dividing Larger Dividends

OBJ: Find the quotients of four-digit whole numbers divided by one-digit divisors.

STO: N.MR.05.01

TOP: Intervention G54: Dividing Multidigit Numbers, NCTM 3-5: Num.2.3, NCTM 3-5: Num.3.2, NCTM 3-5: Num.3.3

KEY: division, whole numbers

18. ANS:

\$16.77

REF: 0309 Lesson 3-9: Dividing Money

OBJ: Find quotients of money amounts divided by one-digit divisors.

STO: N.FL.05.20

TOP: Intervention G53: Dividing Money, NCTM 3-5: Num.2.3, NCTM 3-5: Num.3.2, NCTM 3-5: Num.3.3

KEY: division, money

19. ANS:

\$5.59

REF: 0309 Lesson 3-9: Dividing Money

OBJ: Find quotients of money amounts divided by one-digit divisors.

STO: N.FL.05.20

TOP: Intervention G53: Dividing Money, NCTM 3-5: Num.2.3, NCTM 3-5: Num.3.2, NCTM 3-5: Num.3.3

KEY: division, money, Science