EGYPTIAN AMERICAN INTERNATIONAL SCHOOL
ELEMENTARY MATH DEPARTMENT
2016/2017
Semester 2

Name: ..... Grade/Class ..... Date .....

Division Homework Pack

Name _____

Division Rules for 1 and 0

Common Core

COMMON CORE STANDARD—3.OA.B.5
Understand properties of multiplication and the relationship between multiplication and division.

Find the quotient.

1. $3 \div 1 =$ 3
2. $8 \div 8 =$ _____
3. _____ $= 0 \div 6$
4. $2 \div 2 =$ _____
5. _____ $= 9 \div 1$
6. $0 \div 2 =$ _____
7. $0 \div 3 =$ _____
8. _____ $= 0 \div 4$
9. $7\overline{)7}$
10. $1\overline{)6}$
11. $9\overline{)0}$
12. $1\overline{)5}$
13. $1\overline{)0}$
14. $4\overline{)4}$
15. $1\overline{)10}$
16. $2\overline{)2}$

Problem Solving Real World

17. There are no horses in the stables. There are 3 stables in all. How many horses are in each stable?

_____

18. Jon has 6 kites. He and his friends will each fly 1 kite. How many people in all will fly a kite?

_____

19. WRITE Math Compare and contrast the multiplication rules for 1 and 0 with the division rules for 1 and 0.

_____

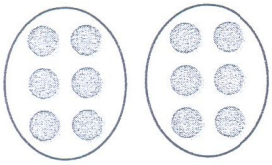
_____

ide by 2

Common Core

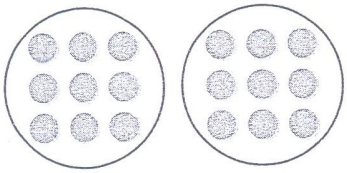
COMMON CORE STANDARD—3.OA.A.3
Represent and solve problems involving multiplication and division.

Write a division equation for the picture.

1. 

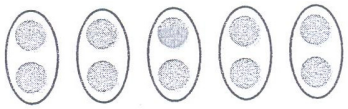
12 ÷ 2 = 6 or _____

12 ÷ 6 = 2 _____

2. 

_____

_____

3. 

_____

_____

Find the quotient. You may want to draw a quick picture to help.

4. _____ = 14 ÷ 2

5. $2\overline{)18}$

6. 16 ÷ 2 = _____

Problem Solving Real World

7. Mr. Reynolds, the gym teacher, divided a class of 16 students into 2 equal teams. How many students were on each team?

_____

8. Sandra has 10 books. She divides them into groups of 2 each. How many groups can she make?

_____

9. WRITE Math Explain how to divide an amount by 2. Use the terms *dividend*, *divisor*, and *quotient*.

_____

_____

Name _____

Divide by 10

Common Core **COMMON CORE STANDARD—3.OA.C.7**
Multiply and divide within 100.

Find the unknown factor and quotient.

1. $10 \times \underline{2} = 20$ $20 \div 10 = \underline{2}$

2. $10 \times \_\_\_\_ = 70$ $70 \div 10 = \_\_\_\_$

3. $10 \times \_\_\_\_ = 80$ $80 \div 10 = \_\_\_\_$

4. $10 \times \_\_\_\_ = 30$ $30 \div 10 = \_\_\_\_$

Find the quotient.

5. $60 \div 10 = \_\_\_\_$

6. $\_\_\_\_ = 40 \div 4$

7. $20 \div 2 = \_\_\_\_$

8. $50 \div 10 = \_\_\_\_$

9. $10\overline{)40}$

10. $10\overline{)70}$

11. $10\overline{)100}$

12. $10\overline{)20}$

Problem Solving Real World

13. Pencils cost 10¢ each. How many pencils can Brent buy with 90¢?

14. Mrs. Marks wants to buy 80 pens. If the pens come in packs of 10, how many packs does she need to buy?

15. WRITE Math Write and solve a word problem that involves dividing by 10.

Name _____

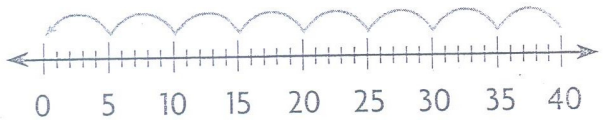
Divide by 5

Common Core

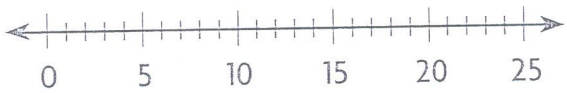
COMMON CORE STANDARD—3.OA.A.3
Represent and solve problems involving multiplication and division.

Use count up or count back on a number line to solve.

1. $40 \div 5 =$ 8



2. $25 \div 5 =$ _____



Find the quotient.

3. _____ $= 10 \div 5$

4. _____ $= 30 \div 5$

5. $14 \div 2 =$ _____

6. $5 \div 5 =$ _____

7. _____ $= 0 \div 5$

8. $20 \div 5 =$ _____

9. $25 \div 5 =$ _____

10. _____ $= 35 \div 5$

11. $5\overline{)20}$

12. $10\overline{)70}$

13. $5\overline{)15}$

14. $5\overline{)40}$

Problem Solving Real World

15. A model car maker puts 5 wheels in each kit. A machine makes 30 wheels at a time. How many packages of 5 wheels can be made from the 30 wheels?

_____

16. A doll maker puts a small bag with 5 hair ribbons inside each box with a doll. How many bags of 5 hair ribbons can be made from 45 hair ribbons?

_____

17. WRITE ▸ *Math* Write about which method you prefer to use to divide by 5—counting up, counting back on a number line, or dividing by 10, and then doubling the quotient. Explain why.

_____

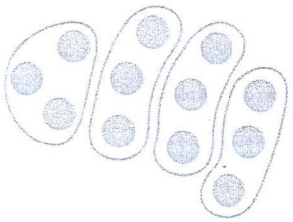
_____

vide by 3

Common Core COMMON CORE STANDARD—3.OA.C.7
Multiply and divide within 100.

Find the quotient. Draw a quick picture to help.

1. $12 \div 3 =$ 4



2. $24 \div 3 =$ ____

3. ____ $= 6 \div 3$

4. $40 \div 5 =$ ____

Find the quotient.

5. ____ $= 15 \div 3$

6. ____ $= 21 \div 3$

7. $16 \div 2 =$ ____

8. $27 \div 3 =$ ____

9. $0 \div 3 =$ ____

10. $9 \div 3 =$ ____

11. ____ $= 30 \div 3$

12. ____ $= 12 \div 4$

13. $3\overline{)12}$

14. $3\overline{)15}$

15. $3\overline{)24}$

16. $3\overline{)9}$

Problem Solving Real World

17. The principal at Miller Street School has 12 packs of new pencils. She will give 3 packs to each third-grade class. How many third-grade classes are there?

_____

18. Mike has $21 to spend at the mall. He spends all of his money on bracelets for his sisters. Bracelets cost $3 each. How many bracelets does he buy?

_____

19. WRITE Math Explain how to divide an amount by 3.

_____

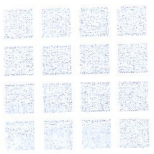
_____

Vide by 4

Common Core **COMMON CORE STANDARD—3.OA.C.7**
Multiply and divide within 100.

Draw tiles to make an array. Find the quotient.

1. $\underline{4} = 16 \div 4$



2. $20 \div 4 = \_\_\_\_$

3. $12 \div 4 = \_\_\_\_$

4. $10 \div 2 = \_\_\_\_$

Find the quotient.

5. $24 \div 3 = \_\_\_\_$

6. $\_\_\_\_ = 8 \div 2$

7. $32 \div 4 = \_\_\_\_$

8. $\_\_\_\_ = 28 \div 4$

9. $4\overline{)36}$

10. $4\overline{)8}$

11. $4\overline{)24}$

12. $3\overline{)30}$

Find the unknown number.

13. $20 \div 5 = a$

$a = \_\_\_\_$

14. $32 \div 4 = p$

$p = \_\_\_\_$

15. $40 \div 10 = \square$

$\square = \_\_\_\_$

16. $18 \div 3 = x$

$x = \_\_\_\_$

Problem Solving Real World

17. Ms. Higgins has 28 students in her gym class. She puts them in 4 equal groups. How many students are in each group?

_____

18. Andy has 36 CDs. He buys a case that holds 4 CDs in each section. How many sections can he fill?

_____

19. WRITE ▸ *Math* Write and solve a word problem that involves dividing by 4.

_____

_____

Name _____

Divide by 6

Common Core **COMMON CORE STANDARD—3.OA.C.7**
Multiply and divide within 100.

Find the unknown factor and quotient.

1. $6 \times \underline{7} = 42$ $42 \div 6 = \underline{7}$

2. $6 \times \_\_\_\_ = 18$ $18 \div 6 = \_\_\_\_$

3. $4 \times \_\_\_\_ = 24$ $24 \div 4 = \_\_\_\_$

4. $6 \times \_\_\_\_ = 54$ $54 \div 6 = \_\_\_\_$

Find the quotient.

5. $\_\_\_\_ = 24 \div 6$

6. $48 \div 6 = \_\_\_\_$

7. $\_\_\_\_ = 6 \div 6$

8. $12 \div 6 = \_\_\_\_$

9. $6\overline{)36}$

10. $6\overline{)54}$

11. $6\overline{)30}$

12. $1\overline{)6}$

Find the unknown number.

13. $p = 42 \div 6$

$p = \_\_\_\_$

14. $18 \div 3 = q$

$q = \_\_\_\_$

15. $r = 30 \div 6$

$r = \_\_\_\_$

16. $60 \div 6 = s$

$s = \_\_\_\_$

Problem Solving Real World

17. Lucas has 36 pages of a book left to read. If he reads 6 pages a day, how many days will it take Lucas to finish the book?

_____

18. Juan has $24 to spend at the bookstore. If books cost $6 each, how many books can he buy?

_____

19. WRITE ▸ *Math* Which strategy would you use to divide $36 \div 6$? Explain why you chose that strategy.

_____

_____

Divide by 7

Common Core COMMON CORE STANDARD—3.OA.C.7
Multiply and divide within 100.

Find the unknown factor and quotient.

1. $7 \times \underline{6} = 42$ $42 \div 7 = \underline{6}$

2. $7 \times \_\_\_\_ = 35$ $35 \div 7 = \_\_\_\_$

3. $7 \times \_\_\_\_ = 7$ $7 \div 7 = \_\_\_\_$

4. $5 \times \_\_\_\_ = 20$ $20 \div 5 = \_\_\_\_$

Find the quotient.

5. $7\overline{)21}$

6. $7\overline{)14}$

7. $6\overline{)48}$

8. $7\overline{)63}$

9. $\_\_\_\_ = 35 \div 7$

10. $0 \div 7 = \_\_\_\_$

11. $\_\_\_\_ = 56 \div 7$

12. $32 \div 8 = \_\_\_\_$

Find the unknown number.

13. $56 \div 7 = e$

$e = \_\_\_\_$

14. $k = 32 \div 4$

$k = \_\_\_\_$

15. $g = 49 \div 7$

$g = \_\_\_\_$

16. $28 \div 7 = s$

$s = \_\_\_\_$

Problem Solving Real World

17. Twenty-eight players sign up for basketball. The coach puts 7 players on each team. How many teams are there?

_____

18. Roberto read 42 books over 7 months. He read the same number of books each month. How many books did Roberto read each month?

_____

19. WRITE ▸ *Math* Describe how to find the number of weeks equal to 56 days.

_____

_____

...ide by 8

Common Core COMMON CORE STANDARD—3.OA.A.3, 3.OA.A.4 *Represent and solve problems involving multiplication and division.*

Find the unknown factor and quotient.

1. $8 \times \underline{4} = 32$ $32 \div 8 = \_\_\_\_$

2. $3 \times \_\_\_\_ = 27$ $27 \div 3 = \_\_\_\_$

3. $8 \times \_\_\_\_ = 8$ $8 \div 8 = \_\_\_\_$

4. $8 \times \_\_\_\_ = 72$ $72 \div 8 = \_\_\_\_$

Find the quotient.

5. $\_\_\_\_ = 24 \div 8$

6. $40 \div 8 = \_\_\_\_$

7. $\_\_\_\_ = 56 \div 8$

8. $14 \div 2 = \_\_\_\_$

9. $8\overline{)64}$

10. $7\overline{)28}$

11. $8\overline{)16}$

12. $8\overline{)48}$

Find the unknown number.

13. $72 \div \square = 9$

$\square = \_\_\_\_$

14. $25 \div \square = 5$

$\square = \_\_\_\_$

15. $24 \div a = 3$

$a = \_\_\_\_$

16. $k \div 10 = 8$

$k = \_\_\_\_$

Problem Solving Real World

17. Sixty-four students are going on a field trip. There is 1 adult for every 8 students. How many adults are there?

_____

18. Mr. Chen spends $32 for tickets to a play. If the tickets cost $8 each, how many tickets does Mr. Chen buy?

_____

19. WRITE Math Describe which strategy you would use to divide 48 by 8.

_____

_____

Name _____

Divide by 9

Common Core COMMON CORE STANDARD—3.OA.C.7
Multiply and divide within 100.

Find the quotient.

1. 4 = 36 ÷ 9
2. 30 ÷ 6 = _____
3. _____ = 81 ÷ 9
4. 27 ÷ 9 = _____
5. 9 ÷ 9 = _____
6. _____ = 63 ÷ 7
7. 36 ÷ 6 = _____
8. _____ = 90 ÷ 9
9. $9\overline{)63}$
10. $9\overline{)18}$
11. $7\overline{)49}$
12. $9\overline{)45}$

Find the unknown number.

13. $48 \div 8 = g$; $g =$ _____
14. $s = 72 \div 9$; $s =$ _____
15. $m = 0 \div 9$; $m =$ _____
16. $54 \div 9 = n$; $n =$ _____

Problem Solving Real World

17. A crate of oranges has trays inside that hold 9 oranges each. There are 72 oranges in the crate. If all trays are filled, how many trays are there?

_____

18. Van has 45 new baseball cards. He puts them in a binder that holds 9 cards on each page. How many pages does he fill?

_____

19. WRITE *Math* Explain which division facts were the easiest for you to learn.

_____

_____