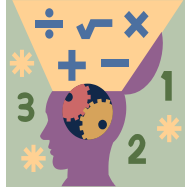Name:_____ Section: _____

Homework

This week we continue Chapter 6 and start Chapter 7.
Scholars must print homework and bring it daily to class this week. Complete homework daily based on the schedule provided below. Please do not work ahead on homework assignments. Failure to complete homework will result in points deducted.
Scholars will complete Chapter 6 Test on Monday, November 6th (Revision for the test will be through this week's homework).

Reminders

Please have your child use Reflex Math to master and reinforce their fact fluency. The 3rd Grade curriculum depends on a strong foundation in multiplication and division facts.

Extra Practice

Additional practice for the daily lesson is available on HMH. To access login in into HMH, go to assigned lessons. There you can find the assigned lessons for extra practice. Scholars can also review daily lesson on Archimedean Cinemath, under section 3A for all sections.

Notes

Completed homework packets must be uploaded or turned in on **Monday, November 6th**. Please feel free to contact me with any questions or concerns at diana.charaf@archimedean.org.

Monday, October 30th   – pages: 233 - 234

Tuesday, October 31st   – pages: 239 -240

Wednesday, November 1st   – pages: 241 - 242

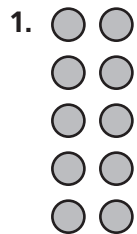**Thursday, November 2nd**   _ pages: 243 - 244

Friday, November 3rd   _ pages: 245 - 246
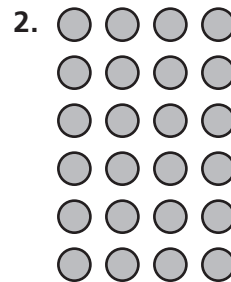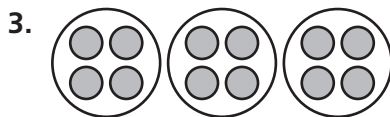
Understand the Commutative Property of Multiplication

Write a multiplication equation for the model. Then use the Commutative Property of Multiplication to write a related multiplication equation.
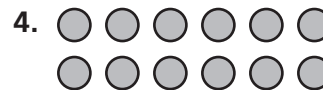
1.

$$\underline{\ 5\ } \times \underline{\ 2\ } = \underline{\ 10\ }$$
$$\underline{\ 2\ } \times \underline{\ 5\ } = \underline{\ 10\ }$$

2.

$$\underline{\ \ \ } \times \underline{\ \ \ } = \underline{\ \ \ }$$
$$\underline{\ \ \ } \times \underline{\ \ \ } = \underline{\ \ \ }$$

3.

$$\underline{\ \ \ } \times \underline{\ \ \ } = \underline{\ \ \ }$$
$$\underline{\ \ \ } \times \underline{\ \ \ } = \underline{\ \ \ }$$

4.

$$\underline{\ \ \ } \times \underline{\ \ \ } = \underline{\ \ \ }$$
$$\underline{\ \ \ } \times \underline{\ \ \ } = \underline{\ \ \ }$$

Problem Solving Real World

5. In a tree with 7 big branches, 4 crows wait on each branch. All the crows fly up and land again on only 4 branches. If there are an equal number of crows on each branch, how many crows are on the four branches?

_____

6. A park has 3 playgrounds and 11 children are playing at each playground. Then all the children go to sit at 11 tables. If an equal number of children sit at each table, how many children are at each table?

_____

7. **WRITE** ▸*Math* How are the Commutative Property of Addition and the Commutative Property of Multiplication alike?

_____

_____

Lesson Check

8. Write a multiplication equation that shows the Commutative Property of Multiplication.

_____

_____

_____

9. What factor makes the equation true?

$7 \times 4 = \blacksquare \times 7$

_____

_____

Spiral Review

10. Ms. Williams drove 149 miles on Thursday and 159 miles on Friday. About how many miles did she drive altogether?

_____

_____

11. Inez has 699 pennies and 198 nickels. Estimate how many more pennies than nickels she has.

_____

_____

12. This year, the parade had 127 floats. That was 34 fewer floats than last year. How many floats were in the parade last year?

_____

13. Jeremy made a tally table to record how his friends voted for their favorite pet. His table shows ⊮ ⊮ ‖ next to Dog. How many friends voted for dog?

_____

Understand the Identity and Zero Properties of Multiplication

Find the product.

1. $1 \times 4 = \underline{\ 4\ }$ **2.** $0 \times 8 = \underline{\ \ \ \ }$ **3.** $0 \times 4 = \underline{\ \ \ \ }$ **4.** $1 \times 6 = \underline{\ \ \ \ }$

5. $3 \times 0 = \underline{\ \ \ \ }$ **6.** $0 \times 9 = \underline{\ \ \ \ }$ **7.** $8 \times 1 = \underline{\ \ \ \ }$ **8.** $1 \times 2 = \underline{\ \ \ \ }$

9. $10 \times 1 = \underline{\ \ \ \ }$ **10.** $2 \times 0 = \underline{\ \ \ \ }$ **11.** $5 \times 1 = \underline{\ \ \ \ }$ **12.** $1 \times 0 = \underline{\ \ \ \ }$

13. $0 \times 0 = \underline{\ \ \ \ }$ **14.** $1 \times 3 = \underline{\ \ \ \ }$ **15.** $9 \times 0 = \underline{\ \ \ \ }$ **16.** $1 \times 1 = \underline{\ \ \ \ }$

Problem Solving Real World

17. Peter is in the school play. His teacher gave 1 copy of the play to each of 6 students. How many copies of the play did the teacher hand out?

18. There are 4 egg cartons on the table. There are 0 eggs in each carton. How many eggs are there in all?

_____

_____

19. **WRITE** ▸ *Math* One group has 5 people, and each person has 1 granola bar. Another group has 5 people, and each person has 0 granola bars. Which group has more granola bars? Explain.

_____

_____

_____

Lesson Check

20. There are 0 bicycles in each bicycle rack. If there are 8 bicycle racks, how many bicycles are there in the racks?

21. What is the product?

$$1 \times 0 = \underline{}$$

Spiral Review

22. Mr. Ellis drove 197 miles on Monday and 168 miles on Tuesday. How many miles did he drive?
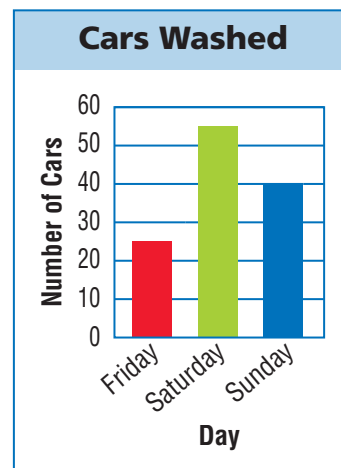
23. What multiplication equation does the array show?

□□□□□□

Use the bar graph for 24–25.

24. How many cars were washed on Friday and Saturday combined?

25. How many more cars were washed on Saturday than on Sunday?

Cars Washed

Name _____

Chapter Review

1. There are 3 boats on the lake. Each boat has 6 people in it. How many people ride in the boats? Draw circles to model the problem, and explain how to solve it.

   _____ people

2. Nadia has 4 sheets of stickers. There are 8 stickers on each sheet. She wrote this equation to represent the total number of stickers.

   $$4 \times 8 = 32$$

   What is a related equation that also represents the total number of stickers she has?

   (A) $8 + 4 = \blacksquare$

   (B) $4 + 4 + 4 + 4 = \blacksquare$

   (C) $8 \times 8 = \blacksquare$

   (D) $8 \times 4 = \blacksquare$

3. Lindsay went hiking for two days in Yellowstone National Park. The first jump on the number line shows how many birds she saw the first day. She saw the same number of birds the next day.
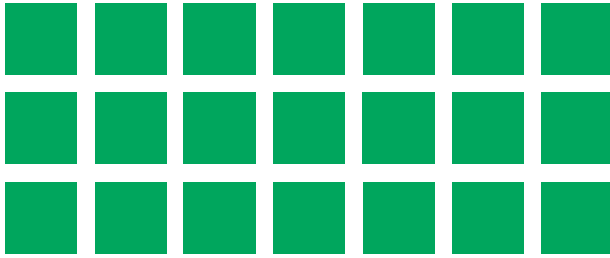

   0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

   Write the multiplication equation that is shown on the number line.

   _____ $\times$ _____ = _____

4. Paco drew an array to show the number of desks in his classroom.

Write a multiplication equation for the array.

_____

5. Alondra makes 4 necklaces. She uses 5 beads on each necklace.

For Problems 5a–5d, choose Yes or No to tell if the equation could be used to find the number of beads Alondra uses.
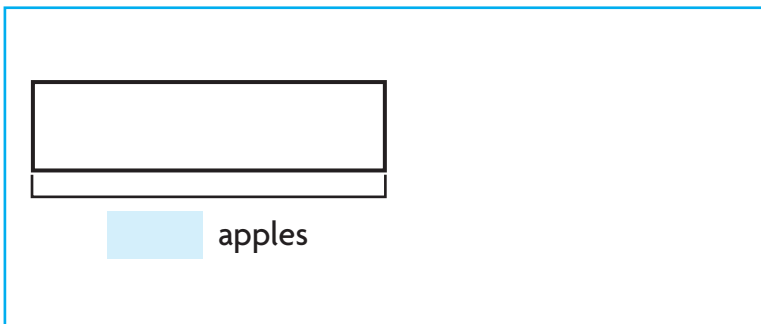
5a.	$4 \times 5 = \blacksquare$	○ Yes	○ No
5b.	$4 + 4 + 4 + 4 = \blacksquare$	○ Yes	○ No
5c.	$5 + 5 + 5 + 5 = \blacksquare$	○ Yes	○ No
5d.	$5 + 4 = \blacksquare$	○ Yes	○ No

6. John sold 3 baskets of apples at the market. Each basket contained 9 apples. How many apples did John sell? Make a bar model to solve the problem.

apples

7. Select the equations that show the Commutative Property of Multiplication. Mark all that apply.

    (A) $3 \times 2 = 2 \times 3$

    (B) $4 \times 9 = 4 \times 9$

    (C) $5 \times 0 = 0$

    (D) $6 \times 1 = 1 \times 6$

    (E) $7 \times 2 = 14 \times 1$

8. A waiter carried 6 baskets with 5 dinner rolls in each basket. How many dinner rolls did he carry? Show your work.

_____ dinner rolls

9. Sonya needs 3 equal lengths of wire to make 3 bracelets. The jump on the number line shows the length of one wire in inches. How many inches of wire will Sonya need to make the 3 bracelets?

_____ inches

10. Josh has 4 dogs. Each dog gets 2 dog biscuits every day. How many biscuits will Josh need for all of his dogs for Saturday and Sunday?

_____ biscuits

11. Jorge displayed 28 cans of paint on a shelf in his store.

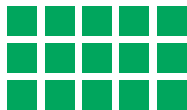Select other ways Jorge could arrange the same number of cans.
Mark all that apply.

(A) 2 rows of 14

(D) 8 rows of 3

(B) 1 row of 28

(E) 7 rows of 4

(C) 6 rows of 5

12. Choose the number that makes the statement true.

The product of any number and $\begin{array}{|c|} 0 \\ 1 \\ 10 \end{array}$ is zero.

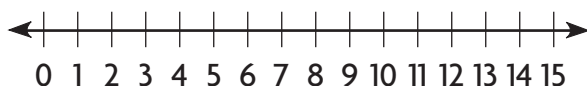**13.** James made this array to show that $3 \times 5 = 15$.

Part A

James says that $5 \times 3 = 15$. Is James correct? Draw an array to explain your answer.

_____

Part B

Which number property supports your answer? Explain.

_____

_____

14. Julio has a collection of coins. He puts the coins in 2 equal groups. There are 6 coins in each group. How many coins does Julio have? Use the number line to show your work.

$$\longleftarrow |\ |\ |\ |\ |\ |\ |\ |\ |\ |\ |\ |\ |\ |\ |\ |\longrightarrow$$

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

_____ coins

15. Landon collects trading cards.

Part A

Yesterday, Landon sorted his trading cards into 4 groups. Each group had 7 cards. Draw a bar model to show Landon's cards. How many cards does he have?

_____ trading cards

Part B

Landon buys 3 more packs of trading cards today. Each pack has 8 cards. Write a multiplication equation to show how many cards Landon buys today. Then find how many cards Landon has now. Show your work.

_____

16. Carlos spent 5 minutes working on each of 8 math problems. He can use 8×5 to find the total amount of time he spent on the problems.

For Problems 16a–16d, choose Yes or No to show which are equal to 8×5.

16a. $8 + 5$ ○ Yes   ○ No

16b. $5 + 5 + 5 + 5 + 5$ ○ Yes   ○ No

16c. $8 + 8 + 8 + 8 + 8$ ○ Yes   ○ No

16d. $5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$ ○ Yes   ○ No

17. Lucy and her mother made tacos. They put 2 tacos on each of 7 plates.

Select the equations that show all the tacos Lucy and her mother made. Mark all that apply.

(A) $2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$ (D) $7 + 2 = 14$

(B) $2 + 7 = 9$ (E) $2 \times 7 = 14$

(C) $7 + 7 = 14$

18. Jayson is making 5 sock puppets. He glues 2 buttons on each puppet for its eyes. He glues 1 pompom on each puppet for its nose.

Part A

Write the total number of buttons and pompoms he uses. Write a multiplication equation for each.

Eyes   **Noses**

_____ buttons   _____ pompoms

_____ × _____ = _____   _____ × _____ = _____

Part B

After making 5 puppets, Jayson has 4 buttons and 3 pompoms left. What is the greatest number of puppets he can make with those items if he wants all his puppets to look the same? Draw models and use them to explain.

At most, he can make _____ more puppets.

19. For $9 \times 1 = 9$, write the *product*. Then write the *factors*.