4th Grade
AMERICAN MATH HW
Week of 21Oct - 25Oct
Due: Submit through Archie by Sun, 10/27 midnight
Topics:
1. Review of below topics from before STEM Project
(Divide 2-digit by 1-digit numbers to find quotient and remainder
Divide 2-digit by 1-dgit number word problems - interpret remainders
Estimate quotients for multi-digit numbers divided by 1-digit numbers)
2. Topics covered this week:
Mon/Tues - Divide up to 4-digit number by 1-digit numbers
Wed/Thurs - Multi-step divison word problems
Fri - Review of this week's topics

Pacing:
To pace yourself, look at the top right corner for suggested pacing per day.
For last 5 pages of the HW titled "Review of Division from before STEM" follow it's own pacing guide suggested (3 problems per day starting Monday)

This packet will help you practice for the Test on Division on Monday, Oct 28. For additional practice and HW help, refer to the library of resources under the resources tab on Archie.

*******MONDAY********

Name _____

Divide by 1-Digit Numbers

Divide and check.

1.
$$\begin{array}{r} 318 \\ 2\overline{)636} \\ -6\downarrow \\ \hline 03 \\ -2\downarrow \\ \hline 16 \\ -16 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 318 \\ \times\ \ 2 \\ \hline 636 \end{array}$$

2. $4\overline{)631}$

3. $8\overline{)906}$

Problem Solving Real World

Use the table for 4 and 5.

4. The Briggs rented a car for 5 weeks. What was the cost of their rental car per week?

_____

5. The Lees rented a car for 4 weeks. The Santos rented a car for 2 weeks. Whose weekly rental cost was lower? Show work how you know

_____

_____

Rental Car Costs	
Family	**Total Cost**
Lee	$632
Brigg	$985
Santo	$328

8. There are 8 volunteers at the telethon. The goal for the evening is to raise $952. If each volunteer raises the same amount, what is the minimum amount each needs to raise to meet the goal?

****TUESDAY********

Name _____

Place the First Digit

Divide.

1.
$$\begin{array}{r} 62 \\ 3\overline{)186} \\ -18\downarrow \\ \quad 06 \\ \quad -6 \\ \quad\ 0 \end{array}$$

2. $4\overline{)298}$

3. $3\overline{)461}$

4. $9\overline{)315}$

5. $2\overline{)988}$

6. $4\overline{)604}$

7. $6\overline{)796}$

8. $5\overline{)449}$

Problem Solving Real World

9. There are 132 projects in the science fair. If 8 projects can fit in a row, how many full rows of projects can be made? How many projects are in the row that is not full?

_____

10. There are 798 calories in six 10-ounce bottles of apple juice. How many calories are there in one 10-ounce bottle of apple juice?

_____

13. Onetta biked 325 miles in 5 days. If she biked the same number of miles each day, how far did she bike each day?

On Your Own

5. Ms. Johnson bought 6 bags of balloons. Each bag has 25 balloons. She fills all the balloons and puts 5 balloons in each bunch. How many bunches can she make?

_____

6. An adult's dinner costs $8. A family of 2 adults and 2 children pays $26 for their dinners. How much does a child's dinner cost? Explain.

_____

_____

_____

_____

7. MTR Use the table at the right. Maria bought 80 ounces of apples. She needs 10 apples to make a pie. How many apples will be left over? Explain.

_____

_____

_____

_____

Fruit	Average weight
Peach	6 ounces
Apple	5 ounces
Plum	2 ounces

8. Taylor has 16 tacks. She buys 2 packages of 36 tacks each. How many garage sale posters can she put up if she uses 4 tacks for each poster?

_____

9. Ryan bought 8 dozen bandages for the track team first-aid kit. The bandages were divided equally into 4 boxes.

How many bandages are in each box?

_____

Name _____

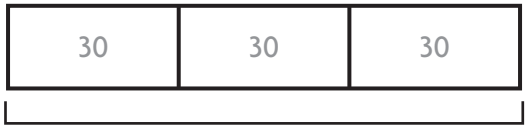
Multi-Step Division Problems

Go Online
Interactive Examples

Solve. Draw a diagram to help you.

1. There are 3 trays of eggs. Each tray holds 30 eggs. How many people can be served if each person eats 2 eggs?

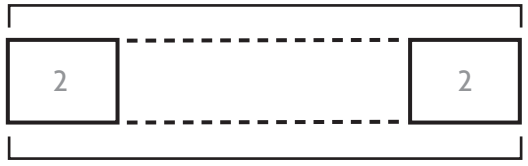
Think: What do I need to find? How can I draw a diagram to help?



Multiply to find the total number of eggs.

90

45



Divide to find how many people can be served 2 eggs.

90

45 people can be served.

2. There are 8 pencils in a package. How many packages will be needed for 28 children if each child gets 4 pencils?

_____

3. There are 3 boxes of tangerines. Each box has 93 tangerines. The tangerines will be divided equally among 9 classrooms. How many tangerines will each classroom get?

_____

Name _____

Chapter Review

1. There are 9 showings of a film about endangered species at the science museum. A total of 459 people saw the film. The same number of people were at each showing. How many people were at each showing? Show how to check your answer.

2. Solve.

4,216 ÷ 8 = _____

4. Pablo collects seashells. He sorts the shells by type into different buckets when he collects them. He collects 46 shells. Pablo has 4 buckets with the same number of shells in them, and one bucket with 2 shells. How many shells are in each of the 4 equal buckets?

_____ shells

5. There are 3,736 yearbooks to be divided equally among 8 schools. How many yearbooks will each school get?

_____ yearbooks

6. Anna buys 8 books for $112. If each book costs the same amount, what is the cost of 5 books?

_____

8. A florist used 76 roses, 47 lilies, and 21 snap dragons to make garlands. Each garland has 8 flowers. How many garlands did the florist make? Draw bar models to solve.

*****FRIDAY********

Name _____

9. Koi read 1,080 minutes in 9 days. If he read the same number of minutes each day, how much time did he read each day?

_____ minutes

10. divide 624 ÷ 3,

_____

11. There are 7 volunteers at the park. The volunteers need to clean an area of 861 square meters. If each volunteer cleans the same area, what area does each volunteer clean?

_____ square meters

13. There are 136 people waiting for a river raft ride. Each raft holds 8 people. find the number of rafts needed.

5. A park guide plans the swan boat rides for 40 people. Each boat can carry 6 people at a time. How many total boat rides are needed in this situation so that everyone gets a ride?

_____

_____

6. Nolan divides his 88 toy cars into boxes. Each box holds 9 cars. How many boxes does Nolan need to store all of his cars?

_____ boxes

7. A group of 140 tourists are going on a tour. The tour guide rents 15 vans. Each van holds 9 tourists.

determine if the tour guide rented enough vans? Explain.

*****TUESDAY******

Name _____

8. Solve.

3,200 ÷ 8 = _____

9. Which quotients are equal to 300? Mark all that apply.

(A) 1,200 ÷ 4

(B) 180 ÷ 9

(C) 2,400 ÷ 8

(D) 2,100 ÷ 7

(E) 90 ÷ 3

(F) 3,000 ÷ 3

10. Margo estimated 188 ÷ 5. What did Margo estimate?

*****WEDNESDAY******

11. Mathias and his brother divided 2,029 marbles equally. About how many marbles did each of them receive? (Hint: 'About' indicates to find the estimated answer, not exact)

13. Ishmael has 37 saplings. He wants to plant them in the park in 4 equal rows. How many saplings will he plant in each row? Explain how you know.

14. Which quotient has a different remainder?

(A) $16 \div 3$

(B) $25 \div 3$

(C) $43 \div 3$

(D) $56 \div 3$

*******THURSDAY******

15. Alejandro kicks a ball 120 meters to Tao. It takes the ball 6 seconds to travel from Alejandro to Tao. How many meters does the ball travel in 1 second? Show your work.

Name _____

17. Volunteers have 67 bags of mulch to use in the flower beds outside the library. They use the same number of bags of mulch in each of the 8 flower beds.

Part A

How many bags of mulch did the volunteers use in each flower bed?

Part B

What does the remainder represent?

18. Jacques climbs 3,560 feet in 7 days. Which equation uses compatible numbers to find the best estimate of the number of feet he climbs each day?

(A) $3{,}500 \div 7 = 500$

(B) $3{,}000 \div 5 = 600$

(C) $3{,}560 \div 10 = 356$

(D) $4{,}000 \div 10 = 400$

*******FRIDAY********

19. Between which two numbers is $4{,}482 \div 6$?

300	400	600	700	800

The quotient is between _____ and _____.

21. Amelia reads 568 pages in 8 days. If she read the same number of pages each day, how many pages did she read in 1 day?

_____ pages

22. The Ayalas drove 275 miles in 5 hours. If they drove the same number of miles each hour, how many miles did they drive in 1 hour?

_____ miles