5TH GRADE AMERICAN MATH HW
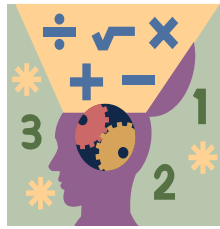
Homework

Hello Scholars and Parents,
The homework of this week is about the understanding of remainder and solving real world problems. The scholars will study more about divisions. in the classroom and after class. Please do not work ahead on homework. Failure to complete homework or bring packet to class will result in points less.

Reminders

Please have your scholars use the textbook and journal for the daily lesson, and iPad for the daily homework check. We need more practice to enhance our calculation skill of division in different way. There you will see assignments for each section in the chapter 2 we are going to finish in week 6.

The instruction of access to textbook and the extra practices are available on archie.

Notes

Completed homework packets should be uploaded or turned in on **Monday** September 26th. Students must prove and show all their work. Scholars should use a separate sheet of paper if they need additional space. Failure to show work or packets submitted after the due date will result in a lower grade. If a scholar struggles with a lesson, they can review the daily lesson on Archimedean Cinemath. Please feel free to contact me with any questions or concerns at mei.zhang@archimedean.org.

Monday	September 19th	- Lesson 2.2 & homework Page 1
Tuesday	September 20th	- Lesson 2.3 & homework Page 2
Wednesday	September 21st	- mini quiz
Thursday	September 22nd	- Lesson 2.4 & homework Page 3
Friday	September 23rd	- Lesson 2.5 & homework Page 4

Divide by 2-Digit Divisors

Divide. Write the remainder as a fraction. Check your answer.

24. $385 \div 12$

$$
\begin{array}{r}
32\frac{1}{12} \\
12\overline{)385} \\
-36 \\
\hline
25 \\
-24 \\
\hline
1
\end{array}
$$

25. $837 \div 36$

26. $16{,}504 \div 55$

27. $5{,}634 \div 18$

Problem Solving Real World

32. Factory workers make 756 machine parts in 36 hours. Suppose the workers make the same number of machine parts each hour. How many machine parts do they make each hour?

_____

33. One bag holds 12 bolts. Several bags filled with bolts are packed into a box and shipped to the factory. The box contains a total of 2,760 bolts. How many bags of bolts are in the box?

_____

Interpret the Remainder

Interpret the remainder to solve.

11. Warren spent 140 hours making 16 wooden toy trucks for a craft fair. If he spent the same amount of time making each truck, how many hours did he spend making each truck?

$$
\begin{array}{r}
8 \\
16\overline{)140} \\
-128 \\
\hline
12
\end{array}
$$

_____ $8\frac{12}{16}$ hours _____

12. Mihir has 14,203 beads. He uses 36 beads to make one necklace. How many necklaces can he make?

_____

Adjust Quotients

Adjust the estimated digit in the quotient, if needed. Then divide.

27.
$$\begin{array}{r} 5 \\ 16\overline{)976} \\ -80 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 61 \\ 16\,\overline{)976} \\ -96 \\ \hline 16 \\ -16 \\ \hline 0 \end{array}$$

28.
$$\begin{array}{r} 3 \\ 24\overline{)689} \end{array}$$

29.
$$\begin{array}{r} 3 \\ 65\overline{)2,210} \end{array}$$

30.
$$\begin{array}{r} 2 \\ 38\overline{)70,354} \end{array}$$

Divide.

31. $2,961 \div 47$

32. $2,072 \div 86$

33. $44\overline{)29,103}$

34. $82\overline{)4,018}$
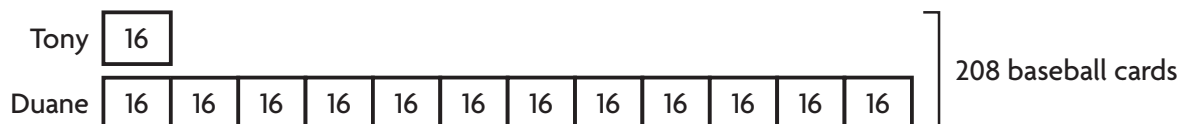
Problem Solving Real World

35. A copier prints 89 copies in one minute. How many minutes does it take the copier to print 1,958 copies?

_____

36. Kira is saving her money to buy a dining room set that costs $580. If she saves $29 each month, how many months will she need to save to have enough money to buy the set?

_____

Draw to Solve Division Problems

Show your work. Solve each problem.

9. Duane has 12 times as many baseball cards as Tony. Between them, they have 208 baseball cards. How many baseball cards does each boy have?

Tony | 16 |

Duane | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |

208 baseball cards

$208 \div 13 = 16$

Tony: 16 cards; Duane: 192 cards

Problem Solving · Applications 🌎 Real World

10. Over the summer, Gabriela read 10 times as many pages as Salima. Altogether, they read 12,078 pages. How many pages did each girl read?

11. Kelly has 4 times as many songs on her music player as Lou. Tiffany has 6 times as many songs on her music player as Lou. Altogether, they have 682 songs on their music players. How many songs does Kelly have?

Model Multiplication and Division Equations

Use a bar model or a related equation to solve.

Check your solution.

16. $c \div 5 = 13$

_____

17. $112 = 7 \times b$

_____

18. $4p = 68$

_____

19. $9 = d \div 21$

_____

20. $105 = 3 \times a$

_____

21. $9g = 99$

_____

22. $m \div 10 = 16$

_____

23. $22 = n \div 7$

_____

24. $92 = f \times 4$

_____

25. $h \div 9 = 14$

_____

26. $13 = j \div 8$

_____

27. $165 = 11r$

_____

Problem Solving Real World

28. Darva arranges fabric squares to sew together to make a blanket for her baby sister. She divides the fabric squares equally among 12 rows. Each row has 8 squares. How many fabric squares does Darva have?

In your equation, let f represent the number of fabric squares Darva has.

_____

29. A school district purchased 90 new computers. The computers were divided equally among 6 classrooms. How many new computers are in each classroom?

In your equation, let c represent the number of computers in each classroom.

_____

30. Write a real-world problem for the equation $4 \times y = 60$. Then solve.

_____

_____

_____