

John P. Freeman

Optional School

Zone 12

2023 Summer

4th Grade Packet

Student Name _____
(Please be sure to write your initials on the line at the bottom of each page.)

This packet contains math concepts that may or may not have been taught in your previous classes but are important for 4th grade. Students enrolled in 4th grade Math for the 2023-2024 school year are expected to submit a completed packet during the first week of school (August 7-11). Exact due dates/procedures will be discussed on August 7th.

4th Grade Summer Math Packet Instructions

Student Name _____

1. This packet has 6 sections, and it is recommended that students work on one section each week during the summer. It is **NOT** recommended to complete this packet immediately following school dismissal **nor** the night before the packet is due. Student learning is most effective if the packet is worked on throughout the summer at a steady pace.

2. You should complete the problems without a calculator, and you should **SHOW ALL YOUR WORK.** Use additional paper is needed. No credit will be provided if your work is not shown.

3. After completing a section, rate your understanding of each week’s topic by circling the image in the chart below.
 - **Smiley face** – You understand ALL the concepts for that week and would be able to teach it to another student.
 - **Neutral face** – You understand the concepts for the most part
 - **Confused face** – You do not understand these concepts and need help reviewing.

WEEK	MATH TOPIC	MY RATING		
1	Calculating each Difference			
2	Multiplying and Dividing			
3	Fraction Representation			
4	Writing Numbers			
5	Calculate the Product			
6	Solving for the Variable			

What do I do if I don't understand something?

- Use your resources (online help sites, iReady, videos, parents, siblings, etc.)
- You may use the reference links in this packet to help you.
- Make a note of the topic/question on the rating chart and ask your teacher to review it during the first week of school.

What happens next?

- Concepts will be reviewed and discussed during the first week of school.
- Students will receive both a participation grade and an assessment grade, based on the packet completion. (Your teacher will discuss this with you August 11, 2023.)

We are excited about working with all the students entering 4th grade in 2023-2024. We want all students to feel prepared, confident, and successful for all the important new concepts they will learn next year.



Rising 4th Grade RESOURCES

WEEK	MATH TOPIC	VIDEO & TUTORIAL LINKS
1	Calculating each Difference	Standard: 4.OA.A.1 <ul style="list-style-type: none"> • https://youtu.be/wwO6DjL_wFw • (108) Adding & Subtracting! Mini Math Movies Scratch Garden - YouTube
2	Multiplying and dividing	Standard: 4.OA.A.1 <ul style="list-style-type: none"> • (108) 4th Grade - Math - Multiplication and Division Facts - Topic Overview - YouTube • Relating division to multiplication (video) Khan Academy
3	Fraction Representation	Standard: 4.NF.A.1, .4.NF.A.2, 4.NF.B.3, & 4.NF.B.4 <ul style="list-style-type: none"> • https://youtu.be/jgWqSjgMAtw
4	Writing Numbers	Standard: 4.NBT.A.1, 4.NBT.A.2, 4.NBT.A.3, 4.NBT.A.4, 4.NBT.A.5 <ul style="list-style-type: none"> • https://youtu.be/jgWqSjgMAtw
5	Calculate the Product	Standard: 4.OA.A.1 <ul style="list-style-type: none"> • https://youtu.be/jgWqSjgMAtw
6	Solving for the Variable	<ul style="list-style-type: none"> • https://youtu.be/jgWqSjgMAtw

Week 1: Calculating each Difference

Find the difference.

$$\begin{array}{r} 1. \quad 705 \\ - 136 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 253 \\ - 133 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 553 \\ - 298 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 795 \\ - 184 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 251 \\ - 153 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 658 \\ - 296 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 725 \\ - 371 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 556 \\ - 311 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 595 \\ - 488 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 249 \\ - 118 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 426 \\ - 281 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 277 \\ - 170 \\ \hline \\ \hline \end{array}$$

Week 2: Multiplying and Dividing

$$\begin{array}{r} 1. \quad 44 \\ \times 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 35 \\ \times 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 91 \\ \times 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 19 \\ \times 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 77 \\ \times 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 33 \\ \times 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 34 \\ \times 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 98 \\ \times 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 50 \\ \times 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 17 \\ \times 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 52 \\ \times 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 63 \\ \times 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 18 \\ \times 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 28 \\ \times 5 \\ \hline \\ \hline \end{array}$$

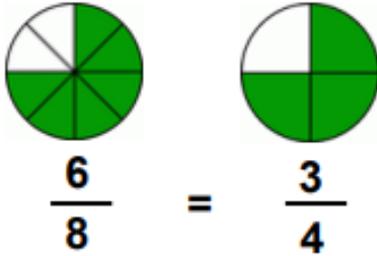
$$\begin{array}{r} 15. \quad 51 \\ \times 3 \\ \hline \\ \hline \end{array}$$

1. $10 \div 1 =$ _____ 2. $22 \div 11 =$ _____ 3. $20 \div 4 =$ _____
4. $96 \div 12 =$ _____ 5. $48 \div 12 =$ _____ 6. $60 \div 6 =$ _____
7. $110 \div 11 =$ _____ 8. $30 \div 3 =$ _____ 9. $18 \div 3 =$ _____
10. $54 \div 6 =$ _____ 11. $36 \div 6 =$ _____ 12. $50 \div 10 =$ _____
13. $56 \div 8 =$ _____ 14. $30 \div 10 =$ _____ 15. $2 \div 2 =$ _____
16. $70 \div 7 =$ _____ 17. $27 \div 3 =$ _____ 18. $80 \div 10 =$ _____
19. $108 \div 12 =$ _____ 20. $60 \div 12 =$ _____ 21. $28 \div 4 =$ _____
22. $3 \div 3 =$ _____ 23. $5 \div 5 =$ _____ 24. $28 \div 7 =$ _____
25. $35 \div 7 =$ _____ 26. $10 \div 10 =$ _____ 27. $20 \div 2 =$ _____

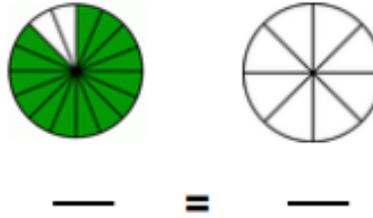
Week 3: Fraction Representation

Color in the second fraction so it is equivalent to the first fraction, then write in the numerators and denominators of both fractions.

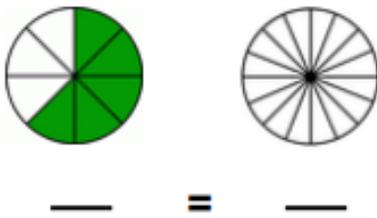
1)



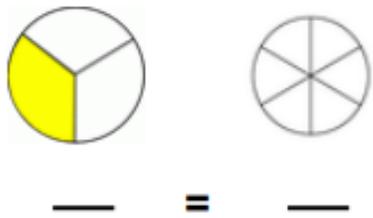
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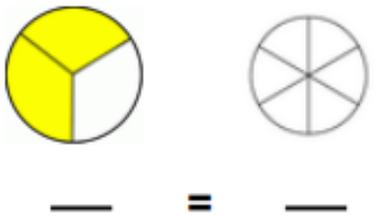
3)



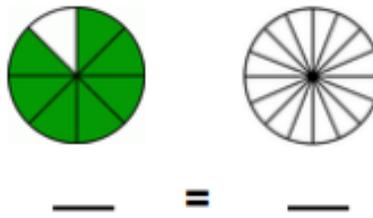
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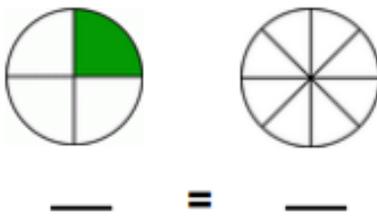
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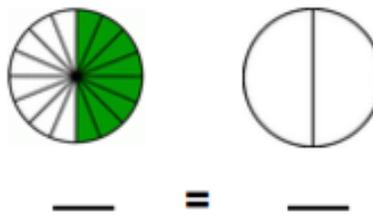
6)



7)

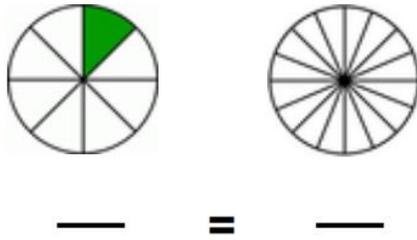


8)

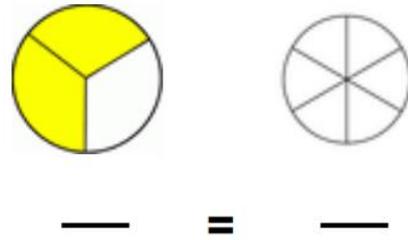


Color in the second fraction so it is equivalent to the first fraction, then write in the numerators and denominators of both fractions.

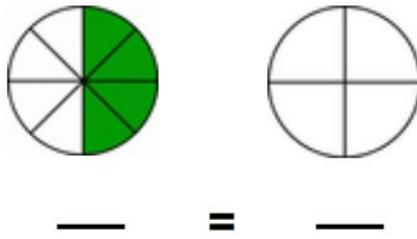
1)



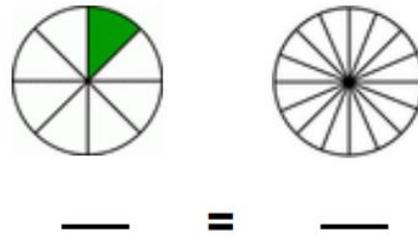
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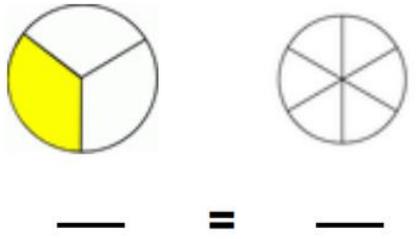
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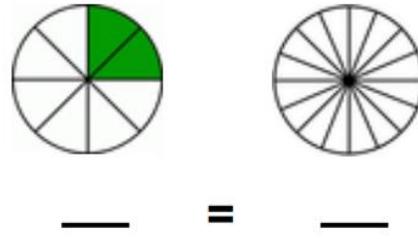
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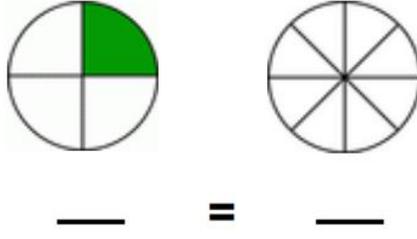
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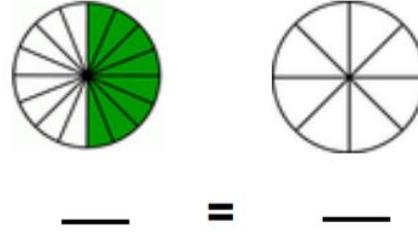
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7)

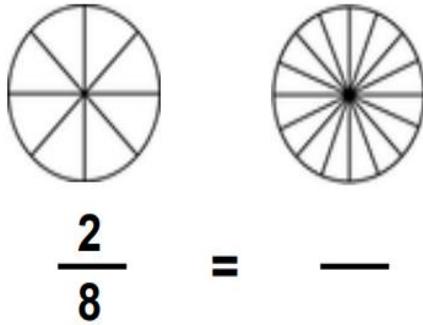


8)

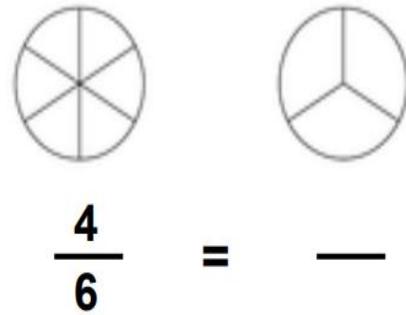


Write in the missing fraction and color in the pie charts.

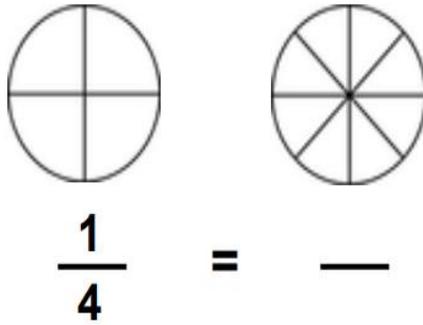
1)



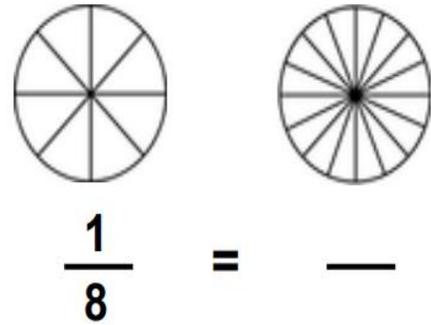
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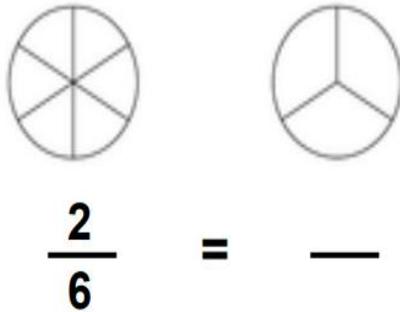
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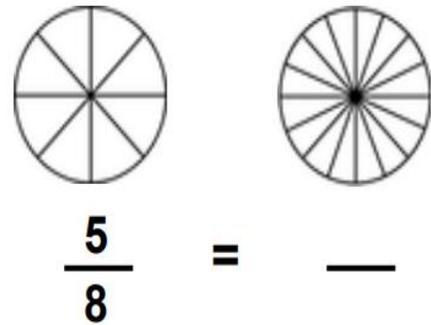
4)



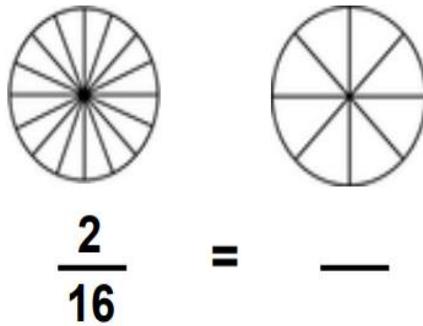
5)



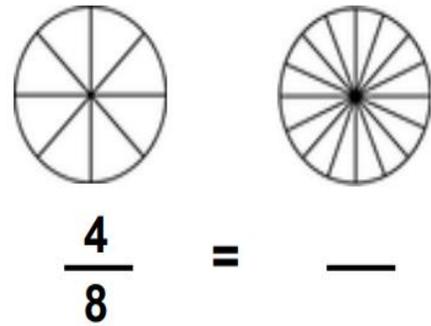
6)



7)



8)



Week #4 Writing Numbers

Write in expanded form.

1) 657

2) 873

3) 75

4) 64

5) 326

6) 31

7) 749

Write in standard form.

1) $500 + 80 + 4$

2) $900 + 70 + 5$

3) $20 + 3$

4) $400 + 30 + 9$

5) $100 + 5$

6) $90 + 6$

7) $80 + 2$

twenty-five = 25

forty-one = _____

fifty-six = _____

twenty = _____

seventy-five = _____

seventy = _____

thirty-nine = _____

eighty-two = _____



Week #5

Find the product.

$$\begin{array}{r} 1. \quad 36 \\ \times 15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 36 \\ \times 55 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 80 \\ \times 71 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 94 \\ \times 37 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 78 \\ \times 95 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 71 \\ \times 26 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 49 \\ \times 97 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 78 \\ \times 87 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 71 \\ \times 81 \\ \hline \\ \hline \end{array}$$



Find the product.

$$\begin{array}{r} 1. \quad 28 \\ \times 23 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 22 \\ \times 82 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 49 \\ \times 63 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 92 \\ \times 35 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 18 \\ \times 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 75 \\ \times 23 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 51 \\ \times 73 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 71 \\ \times 23 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 70 \\ \times 39 \\ \hline \\ \hline \end{array}$$



Solve each equation.

1) $10 = z + 6$

2) $8y = 48$

3) $q - 12 = 1$

4) $18 = \frac{a}{2}$

5) $\frac{r}{3} = 7$

6) $11 = m - 4$

7) $t - 19 = 2$

8) $1 + s = 3$

9) $24 = 4c$

10) $\frac{v}{5} = 9$

