AMERICAN MATH HW
WEEK OF 9DEC TO 13DEC

Due Date: Sunday, 12/15 by midnight

Important announcements: You will have a test on Thursday, 12/12 on Fractions. It will cover the below topics:
- Finding equivalent fractions
- Finding missing numbers in equivalent fractions equation
- Converting fractions to lowest form
- Comparing two fractions by using the sign greater than, less than or equal to
- Ordering three or more fractions in ascending or descending order
- Adding two or more fractions with like denominators
- Adding two or more fractions with unlike denominators
- Subtracting fractions with like denominators
- Subtracting fraction with unlike denominators
- Word problems on adding or subtracting fractions with like denominators
- Word problems on adding or subtracting fractions with unlike denominators
- Converting improper fractions to mixed fractions
- Converting mixed fractions to improper fractions

The HW for the week of 18Nov-23Nov and the HW for the week of 9Dec-13Dec (until problem 10) will help you prepare for the test.

Focus for the week: The focus of the HW this week is to work with mixed fractions. The HW for this week covers:
- Converting improper fractions to mixed fractions and vice versa
- Comparing mixed and improper fractions (>, <, =)
- Ordering two or more fractions in mixed or improper form(least to greatest or vice versa)
- Adding two or more fractions in mixed and improper form
- Subtracting two fractions in mixed and improper form
- Word problems - Addition and subtraction of fractions in mixed form

Pacing guideline: Please pace yourself as below as you are working on your homework:

Monday – solve all the incorrect problems from HW of week of 18-23Nov to make sure that you are prepared for the upcoming test. Review the homework to make sure that you know how to solve the variety of problems.

Tuesday – Problems 1-10 of this week's HW

Wednesday – Problems 11-20 of this week's HW

Thursday – Problems 21-30 of this week's HW

Friday – Problems 31-40 of this week's HW

Uploading Instructions: This HW has two parts to finish. Complete BOTH PARTS.

1. Work on this file to show complete work and upload completed file on Archie. That means showing all the steps to solve the problem. DO NOT JUST WRITE THE FINAL ANSWER.

2. Enter your final answer on IXL and save your answer. IMPORTANT – IXL does not save work once submitted. Therefore, do not show your work on IXL. Your work should be shown on the file uploaded to Archie.

Note: For additional help or practice, refer to the resources link on Archie.

Name: _____

Homework:Week of9Dec-13Dec

1. Write $\frac{16}{5}$ as a mixed number.

2. Write $\frac{108}{10}$ as a mixed number.

3. Write $\frac{13}{5}$ as a mixed number.

4. Write $\dfrac{13}{8}$ as a mixed number.

$$\Box\,\dfrac{\Box}{\Box}$$

5. Write $\dfrac{25}{4}$ as a mixed number.

$$\Box\,\dfrac{\Box}{\Box}$$

6. Write $3\dfrac{8}{12}$ as an improper fraction.

$$\dfrac{\Box}{\Box}$$

7. Write $4\dfrac{1}{3}$ as an improper fraction.

$$\dfrac{\Box}{\Box}$$

8. Write $8\frac{1}{4}$ as an improper fraction.

$$\frac{\Box}{\Box}$$

9. Write $7\frac{4}{8}$ as an improper fraction.

$$\frac{\Box}{\Box}$$

10. Write $10\frac{2}{3}$ as an improper fraction.

$$\frac{\Box}{\Box}$$

11. Which sign makes the statement true?

$$2\frac{9}{10} \quad ? \quad 2\frac{3}{10}$$

>	<	=

12. Which number is greater than the one shown?

2	$1\dfrac{3}{7}$	$\dfrac{15}{7}$	$2\dfrac{2}{3}$

13. Which sign makes the statement true?

$$\dfrac{26}{12} \quad \boxed{?} \quad 2\dfrac{1}{6}$$

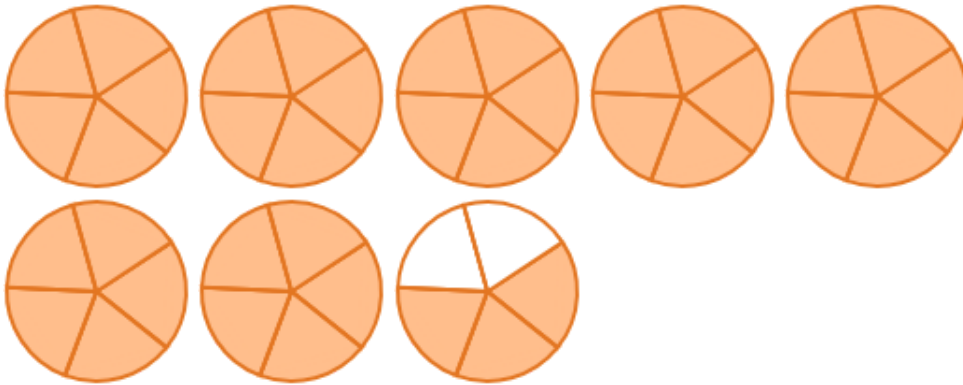| >	<	=

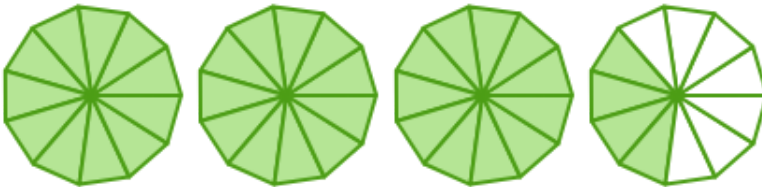14. Which number is less than the one shown?

| $\dfrac{63}{8}$ | $\dfrac{17}{2}$ | $\dfrac{60}{8}$ | $8\dfrac{1}{3}$ |

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15. Which number is greater than the one shown?

| $3\dfrac{9}{10}$ | $\dfrac{24}{11}$ | 3 | $2\dfrac{6}{11}$ |

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16. Put these fractions in order from **greatest** to **least**.

| $\dfrac{2}{12}$ | $\dfrac{4}{6}$ | $\dfrac{1}{2}$ | $\dfrac{3}{4}$ |

17. Put these fractions in order from **least** to **greatest**.

$\dfrac{4}{6}$ $\dfrac{1}{2}$ $\dfrac{11}{12}$ $\dfrac{3}{4}$

18. Put these fractions in order from **greatest** to **least**.
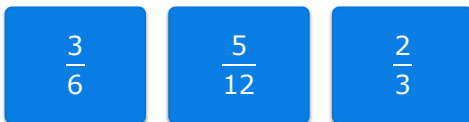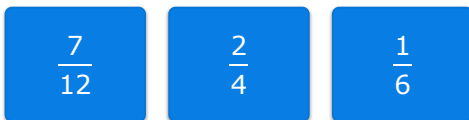
$\dfrac{5}{6}$ $\dfrac{1}{3}$ $\dfrac{6}{12}$
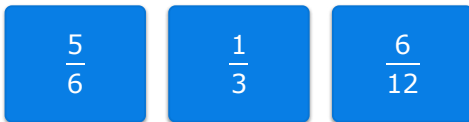
19. Put these fractions in order from **least** to **greatest**.

$\dfrac{3}{6}$ $\dfrac{5}{12}$ $\dfrac{2}{3}$

20. Put these fractions in order from **least** to **greatest**.

$\dfrac{7}{12}$ $\dfrac{2}{4}$ $\dfrac{1}{6}$

21. Add. Write your answer as a fraction or as a whole or mixed number.

$10\dfrac{2}{3} + 9 = \boxed{}$

22. Add. Write your answer as a fraction or as a whole or mixed number.

$$9\frac{1}{2} + 8\frac{1}{7} = \boxed{}$$

23. Subtract. Write your answer as a fraction or as a whole or mixed number.

$$10\frac{1}{2} - 3 = \boxed{}$$

24. Add. Write your answer as a fraction or as a whole or mixed number.

$$8\frac{1}{2} + 2\frac{1}{3} = \boxed{}$$

25. Add. Write your answer as a fraction or as a whole or mixed number.

$$5\frac{2}{5} + \frac{1}{3} = \boxed{}$$

26. Add. Write your answer as a fraction or as a whole or mixed number.

$$7\frac{4}{15} + 3\frac{1}{5} = \boxed{}$$

27.   Add. Write your answer as a fraction or as a whole or mixed number.

$$3\frac{2}{15} + 10\frac{1}{3} = \boxed{}$$

28.   Add. Write your answer as a fraction or as a whole or mixed number.

$$\frac{1}{2} + 3\frac{1}{4} = \boxed{}$$

29.   Add. Write your answer as a fraction or as a whole or mixed number.

$$\frac{1}{3} + 6\frac{2}{9} = \boxed{}$$

30.   Add. Write your answer as a fraction or as a whole or mixed number.

$$\frac{1}{2} + 2\frac{1}{6} = \boxed{}$$

31.   Subtract. Write your answer as a fraction or as a whole or mixed number.

$$14 - 4\frac{3}{4} = \boxed{}$$

32. Subtract. Write your answer as a fraction or as a whole or mixed number.

$$9\,\frac{2}{3} - \frac{3}{4} = \boxed{}$$

33. Subtract. Write your answer as a fraction or as a whole or mixed number.

$$17 - 9\,\frac{1}{2} = \boxed{}$$

34. Subtract. Write your answer as a fraction or as a whole or mixed number.

$$12\,\frac{1}{2} - 2\,\frac{2}{7} = \boxed{}$$

35. Subtract. Write your answer as a fraction or as a whole or mixed number.

$$3\,\frac{1}{2} - \frac{1}{3} = \boxed{}$$

36. In preparation for a picnic, Kirk made a salad with $3\frac{7}{12}$ bags of iceberg lettuce and $\frac{1}{4}$ of a bag of Romaine lettuce. How many bags of lettuce did Kirk use in all?

$\square \frac{\square}{\square}$ bags

| Mixed number | Fraction | Whole number |

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37. Sophie poured $2\frac{1}{2}$ gallons of water into a bucket. Later, she added 5 gallons more. How much water is in the bucket now?

$\square \frac{\square}{\square}$ gallons

| Mixed number | Fraction | Whole number |

38. Over the weekend, Clara drank 3 bottles of soda and Jordan drank $1\frac{2}{5}$ bottles. How much more soda did Clara drink than Jordan?

☐
☐ ─── bottles
☐

Mixed number	Fraction	Whole number

39. Fred ran $1\frac{9}{10}$ miles on Saturday and $2\frac{1}{2}$ miles on Sunday. How many miles did Fred run in all on Saturday and Sunday?

☐
☐ ─── miles
☐

Mixed number	Fraction	Whole number

40. At the Boone Ski Resort, it snowed $3\frac{1}{2}$ feet yesterday and $1\frac{5}{12}$ feet today. How much more did it snow yesterday than today?

$$\boxed{}\ \frac{\boxed{}}{\boxed{}}\ \text{feet}$$

Mixed number	Fraction	Whole number