

Week 7: Suffix “-tion” – showing action

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| <ol style="list-style-type: none">1. February — The second month of the year, usually very cold and has 28 days, or 29 days in a leap year.2. Discard — To throw something away because you don't need it anymore.3. Valley — A low area of land between hills or mountains, often with a river running through it.4. Freight — Goods or cargo that are transported by truck, train, ship, or airplane.5. Canter — A smooth, easy run of a horse, faster than a trot but slower than a gallop.6. Vocabulary — All the words a person knows or uses.7. Aware — Knowing about something or paying attention to it.8. Trouble — Problems or difficulties that make things hard.9. Situation — What is happening at a certain time and place.10. Station — A place where trains, buses, or other vehicles stop for people to get on or off. | <ol style="list-style-type: none">11. Description — Words that tell what something looks like or how it is.12. Prescription — A note from a doctor that tells you what medicine to take.13. Subscription — A plan where you pay money to get something regularly, like a magazine or a video service.14. Fashion — The way people like to dress or style themselves at a certain time.15. Introduction — The beginning part that tells who or what something is about.16. Dedication — Working very hard and not giving up on something.17. Divisible — When one number can be divided by another number without leaving a remainder.18. Factor — A number you multiply with another number to get a product.19. Composite — A number that has more than two factors (not just 1 and itself).20. Greatest — The biggest or highest in amount or size. |
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Lesson 9-7 • Reinforce Understanding

Subtract Mixed Numbers with Unlike Denominators

Name _____

Review

You can subtract mixed numbers by decomposing them into whole numbers and fractions.

Consider the equation: $5\frac{1}{4} - 2\frac{2}{9} = ?$

$$\begin{array}{r} 5\frac{1}{4} \\ - 2\frac{2}{9} \\ \hline \end{array} \longrightarrow \begin{array}{r} 5\frac{1 \times 9}{4 \times 9} \\ - 2\frac{2 \times 4}{9 \times 4} \\ \hline \end{array} \longrightarrow \begin{array}{r} 5\frac{9}{36} \\ - 2\frac{8}{36} \\ \hline 3\frac{1}{36} \end{array}$$

So, $5\frac{1}{4} - 2\frac{2}{9} = 3\frac{1}{36}$.

What is the difference?

1.
$$\begin{array}{r} 2\frac{3}{4} \\ - 1\frac{1}{8} \\ \hline \end{array}$$

2.
$$\begin{array}{r} 6\frac{2}{5} \\ - 3\frac{3}{10} \\ \hline \end{array}$$

3.
$$\begin{array}{r} 5\frac{5}{6} \\ - 3\frac{1}{9} \\ \hline \end{array}$$

4.
$$\begin{array}{r} 5\frac{5}{6} \\ - 1\frac{1}{4} \\ \hline \end{array}$$

5.
$$\begin{array}{r} 4\frac{7}{9} \\ - 2\frac{2}{3} \\ \hline \end{array}$$

6.
$$\begin{array}{r} 3\frac{5}{6} \\ - 2\frac{5}{8} \\ \hline \end{array}$$

Lesson 9-6 • Reinforce Understanding

Add Mixed Numbers with Unlike Denominators

Name _____

Review

You can add mixed numbers by decomposing the addends into whole numbers and fractions. Consider the equation $5\frac{1}{4} + 2\frac{2}{9} = ?$

$$\begin{array}{r} 5\frac{1}{4} \\ + 2\frac{2}{9} \\ \hline \end{array} \longrightarrow \begin{array}{r} 5\frac{1 \times 9}{4 \times 9} \\ + 2\frac{2 \times 4}{9 \times 4} \\ \hline \end{array} \longrightarrow \begin{array}{r} 5\frac{9}{36} \\ + 2\frac{8}{36} \\ \hline 7\frac{17}{36} \end{array}$$

So, $5\frac{1}{4} + 2\frac{2}{9} = 7\frac{17}{36}$.

What is the sum?

1.
$$\begin{array}{r} 2\frac{3}{4} \\ + 1\frac{1}{8} \\ \hline \end{array}$$

2.
$$\begin{array}{r} 6\frac{2}{5} \\ + 3\frac{3}{10} \\ \hline \end{array}$$

3.
$$\begin{array}{r} 3\frac{1}{9} \\ + 4\frac{5}{6} \\ \hline \end{array}$$

4.
$$\begin{array}{r} 1\frac{1}{2} \\ + 5\frac{3}{7} \\ \hline \end{array}$$

5.
$$\begin{array}{r} 3\frac{2}{9} \\ + 2\frac{2}{3} \\ \hline \end{array}$$

6.
$$\begin{array}{r} 1\frac{1}{4} \\ + 3\frac{5}{8} \\ \hline \end{array}$$

Solve Problems Involving Fractions and Mixed Numbers

Name _____

Review

Problems involving mixed numbers can be solved using known strategies for addition and subtraction of mixed numbers.

Problem	Work and Solution
Nancy has $3\frac{2}{5}$ cords of firewood. David has $4\frac{9}{10}$ cords of firewood. How many cords of firewood do they have in total?	$3\frac{2}{5} + 4\frac{9}{10}$ $= 3\frac{4}{10} + 4\frac{9}{10}$ $= 7\frac{13}{10}$ $= 8\frac{3}{10} \text{ cords}$

- Sheridan and Natalie are shucking corn. Sheridan shucks $6\frac{5}{8}$ pounds of corn. Natalie shucks $2\frac{3}{4}$ pounds of corn less than Sheridan. How many pounds of corn did Natalie shuck?
- Corben runs $4\frac{1}{2}$ miles on Monday, $6\frac{3}{10}$ miles on Tuesday, and $5\frac{4}{5}$ miles on Wednesday. How many total miles did Corben run?
- Rico is baking bread. He has $7\frac{7}{9}$ cups of flour and he uses $3\frac{5}{6}$ cups. How many cups of flour does he have left?

Add and Subtract Mixed Numbers with Regrouping

Name _____

Review

When adding and subtracting mixed numbers, it is sometimes necessary to rename whole numbers.

Consider the equation $5\frac{1}{6} - 2\frac{4}{5} = ?$

Step 1	Step 2	Step 3	Step 4
$5\frac{5}{30}$	$4 + 1 + \frac{5}{30}$	$4 + \frac{30}{30} + \frac{5}{30}$	$4\frac{35}{30}$
$- 2\frac{24}{30}$	$- 2\frac{24}{30}$	$- 2\frac{24}{30}$	$- 2\frac{24}{30}$
			$2\frac{11}{30}$

So, $5\frac{1}{6} - 2\frac{4}{5} = 2\frac{11}{30}$.

Add or subtract.

- $3\frac{5}{6} + 1\frac{1}{2} =$ _____
- $4\frac{2}{7} - 1\frac{1}{2} =$ _____
- $2\frac{4}{5} + 5\frac{1}{3} =$ _____
- $7\frac{1}{8} - 2\frac{3}{4} =$ _____
- $2\frac{5}{12} + 2\frac{7}{8} =$ _____
- $5\frac{1}{6} - 2\frac{7}{9} =$ _____