

Student Name:

Date:

Due Date:

Grade:

Start Time:

End Time:

Comments:

1. A baker uses  $\frac{1}{4}$  cup of sugar for one batch of cookies. If he makes 9 batches, write the total cups of sugar used as a mixed number.
2. Jessica has  $\frac{14}{3}$  feet of ribbon. Convert this improper fraction into a mixed number to show how many whole feet of ribbon she has.

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3. Liam ate  $\frac{5}{6}$  of his pizza, and Sophia ate  $\frac{7}{8}$  of her pizza. If both pizzas were the same size, who ate more pizza?
4. Noah ran  $\frac{11}{12}$  of a mile, and Emma ran  $\frac{2}{25}$  of a mile. Use the benchmarks 0,  $\frac{1}{2}$ , or 1 to explain who is closer to finishing a full mile.

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5. Arrange these fractions in order from least to greatest by comparing them to the benchmark of  $\frac{1}{2}$ :  $\frac{4}{10}$ ,  $\frac{5}{6}$ , and  $\frac{3}{8}$ .
6. A party host has  $\frac{13}{4}$  boxes of donuts. How many whole boxes of donuts does the host have, and what fraction of a box is leftover?

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7. Write four different fractions that are equivalent to  $\frac{25}{100}$  but have smaller denominators.

8. A recipe calls for  $\frac{3}{12}$  cup of milk. If Tom wants to use a simpler measuring cup, what is the simplest form of this fraction?

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9. If a fraction's numerator is 1 more than half of its denominator, is the fraction greater than, less than, or equal to  $\frac{1}{2}$ ? Explain using the fraction  $\frac{7}{12}$ .

10. Maya spends  $\frac{1}{3}$  of her allowance on books and  $\frac{4}{9}$  on games. Convert  $\frac{1}{3}$  to an equivalent fraction with a denominator of 9 to determine which category she spent more on.

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11. Write the mixed number  $3\frac{2}{5}$  as an improper fraction.

12. A carpenter has 4 whole planks of wood and one piece that is  $\frac{2}{3}$  of a plank. Write the total amount of wood he has as an improper fraction.

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13. Two running tracks are the same length. Jake completes  $\frac{5}{12}$  of a lap, while Ryan completes  $\frac{4}{10}$  of a lap. Who has completed a greater distance?

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15. A water tank is filled to  $\frac{5}{8}$  of its capacity. Is the tank closer to being half full, completely full, or empty?

14. Fraction A is  $\frac{7}{8}$  and Fraction B is  $\frac{8}{9}$ . Both are exactly one unit fraction away from 1 whole. Use this reasoning to determine which fraction is larger.

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16. A school survey shows that  $\frac{45}{100}$  of students walk to school. Reduce this fraction to its simplest form.

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17. If you need exactly  $\frac{1}{3}$  of a cup of flour to make one pancake, how many whole pancakes can you make if you have  $\frac{11}{3}$  cups of flour?

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18. If the numerator of a fraction is fixed at 5, what happens to the total value of the fraction as the denominator increases from 6 to 100?

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