

1. Jackie has $\frac{1}{3}$ of a Hershey bar. Steven has $\frac{4}{12}$ of a Hershey bar. How much do they have together?
2. Susan swims a race in $29\frac{3}{10}$ seconds. Patty swims the race in $33\frac{9}{10}$ seconds. How much faster was Susan than Patty?
3. Maxwell bought a new pair of skis for \$350. He put \$110 down and received a student discount of \$30. His mother gave him $\frac{1}{2}$ of the balance for his birthday. Which of these expressions could be used to find the amount Maxwell still owes on the skis?
 - A. $350-110+30\div 2$
 - B. $350-(110-30)\div 2$
 - C. $[350-(110-30)\div 2]$
 - D. $[350-(110+30)]\div 2$

4. During a visit to an orchard, Debbie picked $\frac{1}{5}$ of a bag of Golden Delicious apples, $\frac{1}{5}$ of a bag of Macintosh apples, and $\frac{3}{5}$ of a bag of Cortland apples. How many bags of fruit did Debbie pick in total? Simplify your answer and write it as a proper fraction or as a whole or mixed number.

5 At the beach, Gavin and his sister both built sandcastles and then measured their heights. Gavin's sandcastle was $3 \frac{7}{8}$ feet tall and his sister's was $2 \frac{3}{8}$ feet tall. How much taller was Gavin's sandcastle than his sister's?

Simplify your answer and write it as a proper fraction or as a whole or mixed number. _____

6. Draw a line to match the fractions in the left column with its equivalent mixed number in the right column.

$\frac{7}{28}$	$\frac{3}{4}$
$\frac{12}{96}$	$3 \frac{1}{2}$
$\frac{24}{32}$	$\frac{1}{8}$
$\frac{21}{6}$	$\frac{1}{4}$

7. Are the fractions equal in the following rows equal? Write Y (yes) if they are equal or N (no) if they are NOT equal.

Fractions	Y / N
$\frac{34}{18}$ and $1\frac{8}{9}$	
$\frac{7}{28}$ and $\frac{3}{4}$	
$\frac{1}{2}$ and $\frac{12}{26}$	
$\frac{19}{3}$ and $6\frac{1}{3}$	

8. Add and subtract fractions:

a) $\frac{34}{18} + 1\frac{8}{9} =$

b) $1\frac{1}{2} + 3\frac{3}{26} =$

c) $6\frac{1}{3} - 2\frac{7}{9} =$

d) $2\frac{1}{5} - \frac{3}{4} =$

9. Captain Salamander goes on a long journey around the world. He travels $\frac{1}{4}$ of the journey by plane, and the rest by boat. What fraction of the journey does he travel by boat?

10. A ribbon is 40 inches long. We want to cut the ribbon into pieces. Each piece will be $\frac{2}{3}$ of an inch. How many pieces will we have?

11. There are 20 bottles in a box. Each bottle weighs $1\frac{3}{4}$ pounds. How many pounds do all the bottles weigh together?

12. Richard has a large pizza. He gives away $\frac{1}{3}$ of it, then he gives away $\frac{1}{2}$ of what he has. How much pizza does Richard have left?

13. Use 'less than' <, 'greater than' >, or 'equal'

to compare fractions:

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|-----|----------------|----------------|-----|----------------|----------------|-----|---------------|---------------|-----|---------------|----------------|
| 1. | $\frac{5}{8}$ | $\frac{11}{8}$ | 2. | $\frac{6}{5}$ | $\frac{7}{3}$ | 3. | $\frac{6}{5}$ | $\frac{2}{8}$ | 4. | $\frac{9}{5}$ | $\frac{2}{5}$ |
| 5. | $\frac{14}{6}$ | $\frac{5}{6}$ | 6. | $\frac{6}{8}$ | $\frac{10}{6}$ | 7. | $\frac{2}{3}$ | $\frac{3}{4}$ | 8. | $\frac{6}{4}$ | $\frac{19}{8}$ |
| 9. | $\frac{7}{8}$ | $\frac{3}{4}$ | 10. | $\frac{3}{5}$ | $\frac{6}{8}$ | 11. | $\frac{6}{4}$ | $\frac{2}{6}$ | 12. | $\frac{3}{8}$ | $\frac{5}{4}$ |
| 13. | $\frac{15}{8}$ | $\frac{6}{4}$ | 14. | $\frac{12}{5}$ | $\frac{10}{4}$ | 15. | $\frac{1}{3}$ | $\frac{3}{4}$ | 16. | $\frac{3}{8}$ | $\frac{3}{5}$ |
| 17. | $\frac{1}{5}$ | $\frac{13}{5}$ | 18. | $\frac{14}{8}$ | $\frac{8}{3}$ | 19. | $\frac{6}{5}$ | $\frac{1}{8}$ | 20. | $\frac{1}{5}$ | $\frac{9}{4}$ |