

Heatherwood Mathletes  
Purple Belt Home Exercises  
January 13, 2005

Name \_\_\_\_\_

Date \_\_\_\_\_

# SuperKids Math Worksheet

## Addition and Subtraction using numbers between 20 and 500

$$\begin{array}{r} 449 \\ + 319 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ - 78 \\ \hline \end{array}$$

$$\begin{array}{r} 462 \\ + 84 \\ \hline \end{array}$$

$$\begin{array}{r} 284 \\ + 66 \\ \hline \end{array}$$

$$\begin{array}{r} 225 \\ - 188 \\ \hline \end{array}$$

$$\begin{array}{r} 423 \\ + 135 \\ \hline \end{array}$$

$$\begin{array}{r} 255 \\ + 199 \\ \hline \end{array}$$

$$\begin{array}{r} 442 \\ - 34 \\ \hline \end{array}$$

$$\begin{array}{r} 344 \\ - 61 \\ \hline \end{array}$$

$$\begin{array}{r} 468 \\ + 355 \\ \hline \end{array}$$

$$\begin{array}{r} 355 \\ + 290 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ + 32 \\ \hline \end{array}$$

$$\begin{array}{r} 424 \\ - 118 \\ \hline \end{array}$$

$$\begin{array}{r} 414 \\ - 42 \\ \hline \end{array}$$

$$\begin{array}{r} 301 \\ + 168 \\ \hline \end{array}$$

$$\begin{array}{r} 437 \\ - 80 \\ \hline \end{array}$$

$$\begin{array}{r} 194 \\ - 34 \\ \hline \end{array}$$

$$\begin{array}{r} 184 \\ - 79 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ - 25 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ - 33 \\ \hline \end{array}$$

[Create Answer Sheet #33251](#)Make your own SuperKids Math Worksheets at: <http://www.superkids.com/aweb/tools/math/>

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# SuperKids Math Worksheet

## Multiplication using numbers between 8 and 50

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ \times 34 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ \times 16 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ \times 17 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ \times 16 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ \times 25 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ \times 29 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ \times 22 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ \times 24 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ \times 21 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ \times 19 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ \times 16 \\ \hline \end{array}$$

Create Answer Sheet #79505

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# SuperKids Math Worksheet

## Division with Integer Answers using divisors between 2 and 8

$$7 \overline{) 7}$$

$$7 \overline{) 21}$$

$$4 \overline{) 16}$$

$$7 \overline{) 14}$$

$$3 \overline{) 24}$$

$$5 \overline{) 5}$$

$$4 \overline{) 76}$$

$$6 \overline{) 6}$$

$$8 \overline{) 40}$$

$$6 \overline{) 78}$$

$$4 \overline{) 24}$$

$$7 \overline{) 14}$$

$$6 \overline{) 42}$$

$$8 \overline{) 16}$$

$$3 \overline{) 9}$$

$$6 \overline{) 42}$$

$$5 \overline{) 45}$$

$$7 \overline{) 70}$$

$$6 \overline{) 12}$$

$$4 \overline{) 28}$$

Create Answer Sheet #49595

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## Mixed Numbers

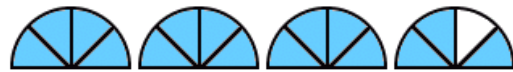
(Answer ID # 0283866)

Write a mixed number for the parts that are shaded.

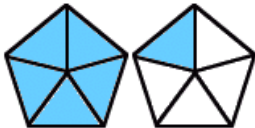
1.



2.



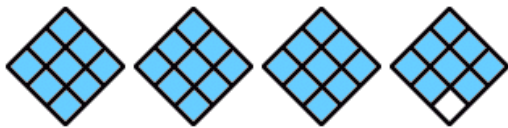
3.



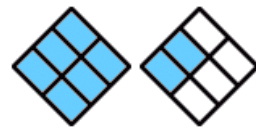
4.



5.



6.



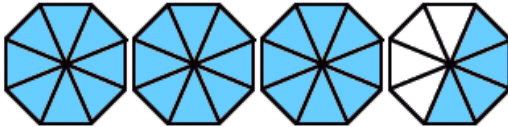
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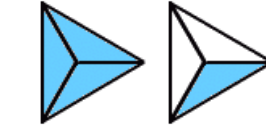
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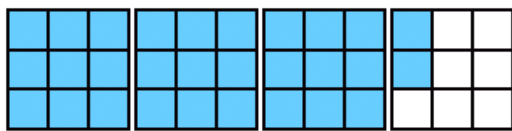
9.



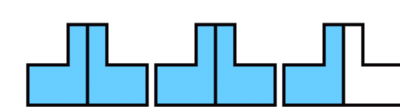
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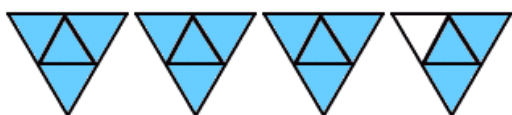
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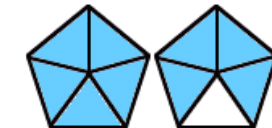
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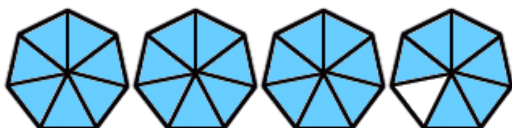
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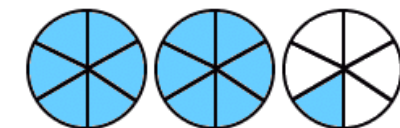
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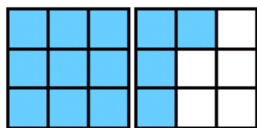
15.



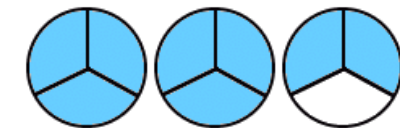
16.



17.



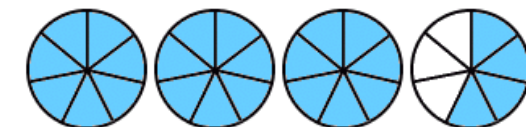
18.



19.



20.



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## Subtract Fractions

(Answer ID # 0539193)

Find the difference. Write your answer as a mixed number in simplest form.

1. $\frac{3}{4} - \frac{1}{4} =$	2. $\frac{8}{9} - \frac{5}{9} =$	3. $\frac{4}{6} - \frac{1}{6} =$	4. $\frac{7}{8} - \frac{6}{8} =$
5. $\frac{2}{5} - \frac{1}{5} =$	6. $\frac{4}{9} - \frac{3}{9} =$	7. $\frac{5}{6} - \frac{3}{6} =$	8. $\frac{6}{7} - \frac{6}{7} =$
9. $\frac{5}{7} - \frac{4}{7} =$	10. $\frac{3}{5} - \frac{2}{5} =$	11. $\frac{4}{6} - \frac{2}{6} =$	12. $\frac{6}{8} - \frac{4}{8} =$
13. $\frac{2}{3} - \frac{1}{3} =$	14. $\frac{4}{5} - \frac{1}{5} =$	15. $\frac{2}{4} - \frac{1}{4} =$	16. $\frac{5}{6} - \frac{2}{6} =$
17. $\frac{5}{6} - \frac{1}{6} =$	18. $\frac{8}{9} - \frac{1}{9} =$	19. $\frac{7}{8} - \frac{5}{8} =$	20. $\frac{6}{8} - \frac{3}{8} =$
21. $\frac{5}{9} - \frac{1}{9} =$	22. $\frac{6}{9} - \frac{6}{9} =$	23. $\frac{1}{2} - \frac{1}{2} =$	24. $\frac{3}{7} - \frac{1}{7} =$
25. $\frac{3}{5} - \frac{1}{5} =$	26. $\frac{5}{6} - \frac{5}{6} =$	27. $\frac{7}{9} - \frac{6}{9} =$	28. $\frac{3}{4} - \frac{2}{4} =$
29. $\frac{4}{8} - \frac{2}{8} =$	30. $\frac{3}{6} - \frac{1}{6} =$	31. $\frac{4}{5} - \frac{4}{5} =$	32. $\frac{7}{8} - \frac{2}{8} =$
33. $\frac{2}{3} - \frac{2}{3} =$	34. $\frac{7}{9} - \frac{4}{9} =$	35. $\frac{6}{7} - \frac{3}{7} =$	36. $\frac{4}{7} - \frac{3}{7} =$
37. $\frac{4}{5} - \frac{3}{5} =$	38. $\frac{5}{9} - \frac{2}{9} =$	39. $\frac{4}{8} - \frac{3}{8} =$	40. $\frac{5}{8} - \frac{4}{8} =$

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## Fractions

(Answer ID # 0830403)

**Solve.**

1. There were seven Canadians and twenty-five Americans waiting at Gate 30 at the airport. What fraction of those waiting were Canadians?	2. Tim has six books about dogs and eight books about cats. What fraction of Tim's books are about cats?
3. John has six green pencils and three yellow pencils. What fraction of John's pencils are green?	4. Anna has eight pairs of black shoes and two pairs of white shoes. What fraction of the shoes are white?
5. Alexandra printed five invitations to her party on pink paper and two invitations on blue paper. What fraction of invitations were printed on blue paper?	6. Vera has nine pink blankets and two yellow blankets. What fraction of Vera's blankets are yellow?
7. Of the boys in my class, three of them play football and two of them play baseball. What fraction of the boys play baseball?	8. Audrey has eight green birds and three red birds. What fraction of Audrey's birds are red?
9. Tom has five red marbles and two blue marbles. What fraction of Tom's marbles are blue?	10. Michael has ten quarters and two dimes. What fraction of Michael's coins are dimes?

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## Fractions

(Answer ID # 1018639)

**Circle the equivalent fraction.**

1.	$\frac{1}{3}$	2.	$\frac{1}{2}$
$\frac{3}{5}$	$\frac{1}{9}$	$\frac{9}{3}$	$\frac{2}{6}$
$\frac{7}{2}$	$\frac{1}{6}$	$\frac{3}{6}$	$\frac{2}{1}$
3.	$\frac{3}{4}$	4.	$\frac{4}{11}$
$\frac{15}{20}$	$\frac{9}{10}$	$\frac{8}{9}$	$\frac{28}{29}$
$\frac{16}{44}$	$\frac{6}{9}$	$\frac{8}{15}$	$\frac{4}{5}$
5.	$\frac{5}{6}$	6.	$\frac{9}{12}$
$\frac{6}{5}$	$\frac{5}{12}$	$\frac{20}{24}$	$\frac{3}{6}$
$\frac{8}{10}$	$\frac{18}{24}$	$\frac{9}{4}$	$\frac{2}{12}$
7.	$\frac{2}{5}$	8.	$\frac{4}{10}$
$\frac{8}{11}$	$\frac{5}{8}$	$\frac{2}{9}$	$\frac{6}{15}$
$\frac{3}{7}$	$\frac{20}{30}$	$\frac{1}{2}$	$\frac{10}{11}$
9.	$\frac{3}{9}$	10.	$\frac{6}{7}$
$\frac{1}{3}$	$\frac{12}{6}$	$\frac{9}{11}$	$\frac{1}{4}$
$\frac{10}{12}$	$\frac{12}{16}$	$\frac{30}{35}$	$\frac{7}{6}$

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## Add Fractions

(Answer ID # 0897331)

Find the value of  $y$ .

1. $\frac{1}{2} + \frac{y}{2} = \frac{1}{1}$ $y = \underline{\hspace{2cm}}$	2. $\frac{y}{3} + \frac{1}{3} = \frac{2}{3}$ $y = \underline{\hspace{2cm}}$	3. $\frac{2}{9} + \frac{2}{3} = \frac{y}{9}$ $y = \underline{\hspace{2cm}}$	4. $\frac{4}{5} + \frac{1}{5} = \frac{1}{y}$ $y = \underline{\hspace{2cm}}$
5. $\frac{3}{8} + \frac{y}{8} = \frac{1}{1}$ $y = \underline{\hspace{2cm}}$	6. $\frac{1}{2} + \frac{1}{4} = \frac{y}{4}$ $y = \underline{\hspace{2cm}}$	7. $\frac{y}{6} + \frac{5}{6} = \frac{1}{1}$ $y = \underline{\hspace{2cm}}$	8. $\frac{4}{7} + \frac{2}{7} = \frac{6}{y}$ $y = \underline{\hspace{2cm}}$
9. $\frac{1}{4} + \frac{y}{4} = \frac{1}{1}$ $y = \underline{\hspace{2cm}}$	10. $\frac{y}{5} + \frac{1}{5} = \frac{4}{5}$ $y = \underline{\hspace{2cm}}$	11. $\frac{1}{2} + \frac{1}{2} = \frac{y}{1}$ $y = \underline{\hspace{2cm}}$	12. $\frac{2}{3} + \frac{1}{3} = \frac{1}{y}$ $y = \underline{\hspace{2cm}}$
13. $\frac{1}{9} + \frac{4}{9} = \frac{y}{9}$ $y = \underline{\hspace{2cm}}$	14. $\frac{7}{8} + \frac{y}{8} = \frac{1}{1}$ $y = \underline{\hspace{2cm}}$	15. $\frac{y}{7} + \frac{1}{7} = \frac{1}{1}$ $y = \underline{\hspace{2cm}}$	16. $\frac{5}{6} + \frac{1}{6} = \frac{1}{y}$ $y = \underline{\hspace{2cm}}$
17. $\frac{3}{8} + \frac{1}{4} = \frac{y}{8}$ $y = \underline{\hspace{2cm}}$	18. $\frac{y}{7} + \frac{2}{7} = \frac{6}{7}$ $y = \underline{\hspace{2cm}}$	19. $\frac{1}{9} + \frac{y}{9} = \frac{2}{9}$ $y = \underline{\hspace{2cm}}$	20. $\frac{1}{4} + \frac{3}{4} = \frac{y}{1}$ $y = \underline{\hspace{2cm}}$
21. $\frac{4}{5} + \frac{y}{5} = \frac{1}{1}$ $y = \underline{\hspace{2cm}}$	22. $\frac{y}{2} + \frac{1}{2} = \frac{1}{1}$ $y = \underline{\hspace{2cm}}$	23. $\frac{1}{3} + \frac{1}{3} = \frac{2}{y}$ $y = \underline{\hspace{2cm}}$	24. $\frac{3}{4} + \frac{1}{4} = \frac{y}{1}$ $y = \underline{\hspace{2cm}}$
25. $\frac{y}{9} + \frac{1}{9} = \frac{1}{1}$ $y = \underline{\hspace{2cm}}$	26. $\frac{3}{5} + \frac{2}{5} = \frac{y}{1}$ $y = \underline{\hspace{2cm}}$	27. $\frac{1}{7} + \frac{6}{7} = \frac{1}{y}$ $y = \underline{\hspace{2cm}}$	28. $\frac{5}{6} + \frac{y}{6} = \frac{1}{1}$ $y = \underline{\hspace{2cm}}$
29. $\frac{1}{2} + \frac{1}{2} = \frac{1}{y}$ $y = \underline{\hspace{2cm}}$	30. $\frac{y}{4} + \frac{1}{4} = \frac{1}{1}$ $y = \underline{\hspace{2cm}}$	31. $\frac{2}{7} + \frac{y}{7} = \frac{6}{7}$ $y = \underline{\hspace{2cm}}$	32. $\frac{8}{9} + \frac{1}{9} = \frac{y}{1}$ $y = \underline{\hspace{2cm}}$