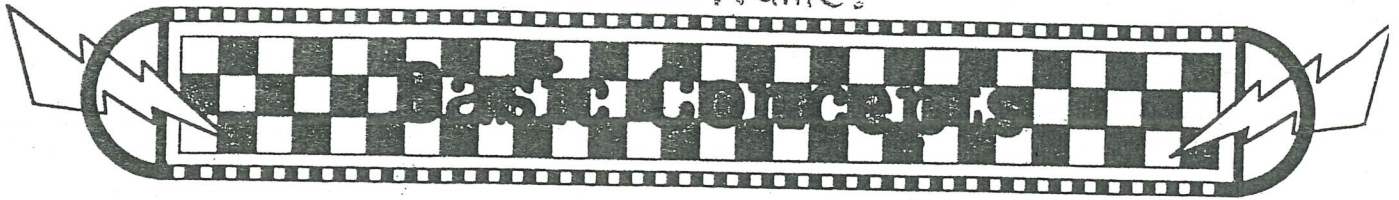


Date

Name:



equivalent fractions

Equivalent Fractions.

$\frac{1}{2} = \frac{\quad}{4}$

$\frac{1}{8} = \frac{\quad}{24}$

$\frac{2}{9} = \frac{\quad}{18} = \frac{\quad}{27}$

$\frac{1}{4} = \frac{\quad}{12} = \frac{\quad}{16} = \frac{\quad}{20}$

$\frac{1}{4} = \frac{\quad}{8}$

$\frac{3}{4} = \frac{\quad}{8}$

$\frac{2}{3} = \frac{\quad}{6} = \frac{\quad}{9}$

$\frac{3}{4} = \frac{\quad}{12} = \frac{\quad}{16} = \frac{\quad}{24}$

$\frac{1}{3} = \frac{\quad}{9}$

$\frac{2}{7} = \frac{\quad}{14}$

$\frac{2}{5} = \frac{\quad}{10} = \frac{\quad}{15}$

$\frac{1}{2} = \frac{\quad}{50} = \frac{\quad}{100} = \frac{\quad}{200}$

$\frac{1}{5} = \frac{\quad}{10}$

$\frac{11}{12} = \frac{\quad}{24}$

$\frac{5}{6} = \frac{\quad}{12} = \frac{\quad}{18}$

$\frac{7}{8} = \frac{\quad}{16} = \frac{\quad}{24} = \frac{\quad}{32}$

$\frac{1}{6} = \frac{\quad}{12}$

$\frac{3}{5} = \frac{\quad}{15}$

$\frac{25}{100} = \frac{\quad}{200} = \frac{\quad}{300}$

$\frac{7}{10} = \frac{\quad}{40} = \frac{\quad}{50} = \frac{\quad}{80}$

$\frac{1}{10} = \frac{\quad}{30}$

$\frac{22}{25} = \frac{\quad}{50}$

$\frac{2}{50} = \frac{\quad}{100} = \frac{\quad}{150}$

$\frac{50}{100} = \frac{\quad}{300} = \frac{\quad}{400} = \frac{\quad}{1000}$

Reduce to Lowest Terms.

$\frac{16}{20} = \frac{\quad}{10} = \frac{\quad}{5}$

$\frac{50}{100} =$

$\frac{5}{20} =$

$\frac{11}{33} =$

$\frac{4}{12} = \frac{\quad}{6} = \frac{\quad}{3}$

$\frac{12}{30} =$

$\frac{3}{9} =$

$\frac{20}{30} =$

$\frac{12}{16} = \frac{\quad}{8} = \frac{\quad}{4}$

$\frac{16}{18} =$

$\frac{8}{18} =$

$\frac{7}{28} =$

$\frac{5}{10} =$

$\frac{14}{21} =$

$\frac{24}{36} =$

$\frac{30}{48} =$

$\frac{6}{9} =$

$\frac{6}{10} =$

$\frac{150}{250} =$

$\frac{25}{75} =$

$\frac{9}{10} =$

$\frac{16}{34} =$

$\frac{14}{16} =$

$\frac{10}{14} =$

$\frac{3}{12} =$

$\frac{6}{14} =$

$\frac{15}{60} =$

$\frac{10}{42} =$

Proportions

Show your work on another sheet. Write your answers here.

Name _____


Total Problems 50
Problems Correct _____

$$1. \frac{2}{4} = \frac{n}{8}$$

$$n =$$

$$2. \frac{3}{x} = \frac{9}{15}$$

$$x =$$

$$3. \frac{n}{20} = \frac{5}{4}$$

$$n =$$

$$4. \frac{5}{6} = \frac{30}{n}$$

$$n =$$

$$5. \frac{27}{n} = \frac{9}{10}$$

$$n =$$

$$6. \frac{3}{14} = \frac{n}{42}$$

$$n =$$

$$7. \frac{2}{n} = \frac{24}{72}$$

$$n =$$

$$8. \frac{3}{9} = \frac{x}{54}$$

$$x =$$

$$9. \frac{3}{7} = \frac{x}{42}$$

$$x =$$

$$10. \frac{6}{12} = \frac{12}{n}$$

$$n =$$

$$11. \frac{7}{8} = \frac{42}{x}$$

$$x =$$

$$12. \frac{3}{8} = \frac{n}{48}$$

$$n =$$

$$13. \frac{12}{13} = \frac{24}{x}$$

$$x =$$

$$14. \frac{7}{9} = \frac{21}{n}$$

$$n =$$

$$15. \frac{7}{4} = \frac{x}{28}$$

$$x =$$

$$16. \frac{n}{30} = \frac{5}{3}$$

$$n =$$

$$17. \frac{5}{40} = \frac{2}{m}$$

$$m =$$

$$18. \frac{6}{2} = \frac{t}{20}$$

$$t =$$

$$19. \frac{3}{9} = \frac{x}{15}$$

$$x =$$

$$20. \frac{6}{n} = \frac{4}{8}$$

$$n =$$

$$21. \frac{7}{4} = \frac{49}{y}$$

$$y =$$

$$22. \frac{6}{8} = \frac{n}{48}$$

$$n =$$

$$23. \frac{y}{15} = \frac{1}{3}$$

$$y =$$

$$24. \frac{40}{120} = \frac{4}{n}$$

$$n =$$

$$25. \frac{9}{3} = \frac{27}{y}$$

$$y =$$

$$26. \frac{14}{6} = \frac{n}{3}$$

$$n =$$

$$27. \frac{12}{3} = \frac{12}{n}$$

$$n =$$

$$28. \frac{1}{8} = \frac{24}{m}$$

$$m =$$

$$29. \frac{25}{6} = \frac{75}{n}$$

$$n =$$

$$30. \frac{3}{12} = \frac{x}{48}$$

$$x =$$

$$31. \frac{2}{30} = \frac{y}{60}$$

$$y =$$

$$32. \frac{6}{t} = \frac{4}{6}$$

$$t =$$

$$33. \frac{n}{44} = \frac{2}{4}$$

$$n =$$

$$34. \frac{7}{21} = \frac{m}{9}$$

$$m =$$

$$35. \frac{42}{4} = \frac{t}{22}$$

$$t =$$

$$36. \frac{18}{3} = \frac{x}{2}$$

$$x =$$

$$37. \frac{y}{10} = \frac{4}{5}$$

$$y =$$

$$38. \frac{n}{24} = \frac{4}{12}$$

$$n =$$

$$39. \frac{5}{2} = \frac{20}{x}$$

$$x =$$

$$40. \frac{6}{24} = \frac{3}{n}$$

$$n =$$

$$41. \frac{13}{2} = \frac{39}{x}$$

$$x =$$

$$42. \frac{2}{8} = \frac{14}{m}$$

$$m =$$

$$43. \frac{6}{t} = \frac{24}{12}$$

$$t =$$

$$44. \frac{9}{2} = \frac{y}{4}$$

$$y =$$

$$45. \frac{n}{55} = \frac{2}{11}$$

$$n =$$

$$46. \frac{5}{7} = \frac{10}{m}$$

$$m =$$

$$47. \frac{8}{10} = \frac{64}{y}$$

$$y =$$

$$48. \frac{3}{4} = \frac{12}{n}$$

$$n =$$

$$49. \frac{5}{25} = \frac{t}{20}$$

$$t =$$

$$50. \frac{16}{2} = \frac{32}{x}$$

$$x =$$

Practice = Success!


Riddle: What do you get when you cross a crocodile with a kangaroo?

To answer this riddle: Color red all squares which contain a fraction equivalent to $\frac{1}{2}$
 Color green all squares which contain a fraction equivalent to $\frac{1}{3}$
 Color blue all squares which contain a fraction equivalent to $\frac{2}{3}$
 Color black all squares which contain a fraction equivalent to $\frac{2}{5}$

My name is: _____

#: _____

Hint: First list all the simple fractions equivalent to $\frac{1}{2}$

eg. $\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{6}{12} \dots$

Then look for these fractions in the puzzle.

$\frac{1}{2}$	$\frac{1}{7}$	$\frac{5}{8}$	$\frac{3}{10}$	$\frac{5}{9}$
$\frac{2}{4}$	$\frac{10}{18}$	$\frac{1}{3}$	$\frac{3}{9}$	$\frac{2}{6}$
$\frac{5}{10}$	$\frac{3}{6}$	$\frac{4}{12}$	$\frac{5}{12}$	$\frac{7}{9}$

$\frac{10}{30}$	$\frac{7}{21}$	$\frac{2}{7}$
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$\frac{9}{27}$	$\frac{1}{6}$	$\frac{6}{16}$	$\frac{6}{15}$	$\frac{10}{25}$	$\frac{14}{35}$
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$\frac{8}{24}$	$\frac{6}{18}$	$\frac{5}{15}$	$\frac{12}{30}$	$\frac{5}{16}$	$\frac{16}{40}$
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$\frac{20}{50}$	$\frac{40}{100}$	$\frac{18}{45}$	$\frac{2}{3}$	$\frac{8}{12}$	$\frac{4}{6}$
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$\frac{22}{55}$	$\frac{3}{8}$	$\frac{24}{60}$	$\frac{6}{9}$	$\frac{3}{7}$	$\frac{10}{15}$
-----------------	---------------	-----------------	---------------	---------------	-----------------

$\frac{18}{27}$	$\frac{16}{24}$	$\frac{12}{18}$
-----------------	-----------------	-----------------

$\frac{14}{21}$	$\frac{10}{16}$	$\frac{15}{27}$	$\frac{4}{8}$
-----------------	-----------------	-----------------	---------------

$\frac{7}{14}$

$\frac{6}{12}$	$\frac{2}{5}$	$\frac{4}{7}$	$\frac{9}{24}$	$\frac{10}{25}$
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$\frac{4}{10}$	$\frac{12}{30}$	$\frac{6}{7}$	$\frac{18}{45}$
----------------	-----------------	---------------	-----------------

$\frac{8}{20}$	$\frac{2}{12}$	$\frac{20}{50}$	$\frac{16}{40}$	$\frac{4}{8}$	$\frac{5}{10}$	$\frac{9}{18}$	$\frac{20}{40}$
----------------	----------------	-----------------	-----------------	---------------	----------------	----------------	-----------------

$\frac{6}{15}$	$\frac{2}{16}$	$\frac{7}{8}$	$\frac{14}{35}$	$\frac{7}{14}$	$\frac{5}{7}$	$\frac{6}{20}$	$\frac{10}{24}$
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$\frac{8}{16}$	$\frac{14}{16}$	$\frac{50}{100}$	$\frac{25}{50}$
----------------	-----------------	------------------	-----------------

$\frac{3}{6}$	$\frac{2}{11}$	$\frac{6}{22}$	$\frac{33}{66}$
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$\frac{6}{12}$	$\frac{11}{22}$	$\frac{15}{30}$	$\frac{30}{60}$
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