

## Fractions

### Skill 5 - 10E

#### Equivalent Fractions

Find an equivalent fraction by multiplying or dividing the numerator and denominator by the same number.

<b>Example A.</b> Multiply the numerator and the denominator by the same number. $\frac{5}{8} \times \frac{2}{2} = \frac{10}{16}$	<b>Example B.</b> Divide the numerator and the denominator by the same common factor. $\frac{14}{28} \div \frac{7}{7} = \frac{2}{4}$
$\frac{5}{8}$ is equivalent to $\frac{10}{16}$	$\frac{14}{28}$ is equivalent to $\frac{2}{4}$

Some of the possible answers for test question 10E

1.  $\frac{5}{8} = \frac{10}{16}$

← Look at example A above.

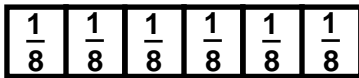
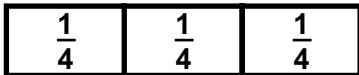
2.  $\frac{6}{10} = \frac{3}{5}$

3.  $\frac{14}{28} = \frac{2}{4}$

← Look at example B above.

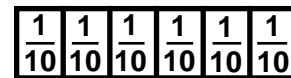
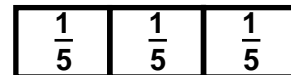
You can use fraction bars to find an equivalent fractions. Write the missing equivalent fraction.

1.



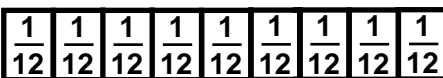
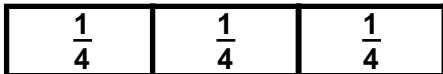
$$\frac{3}{4} = \frac{\quad}{\quad}$$

2.



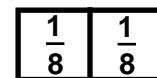
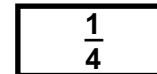
$$\frac{3}{5} = \frac{\quad}{\quad}$$

3.



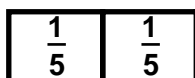
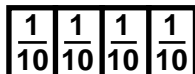
$$= \frac{9}{12}$$

4.



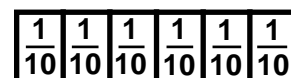
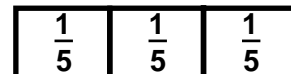
$$\frac{1}{4} = \frac{\quad}{\quad}$$

5.



$$\frac{4}{10} = \frac{\quad}{\quad}$$

6.



$$= \frac{6}{10}$$

## Fractions Skill 5 - 10E

### Equivalent Fractions

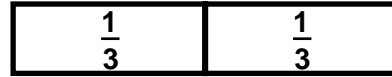
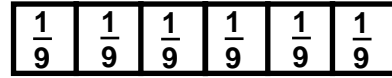
**Directions:** Write the missing equivalent fraction.

7.



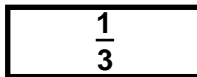
$$\frac{2}{3} =$$

8.



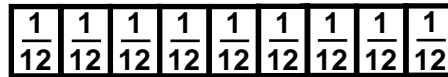
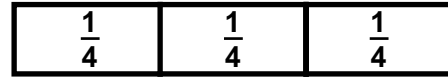
$$= \frac{2}{3}$$

9.



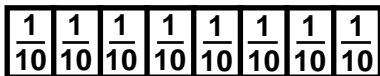
$$\frac{2}{6} =$$

10.



$$= \frac{9}{12}$$

11.



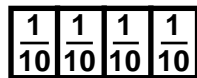
$$\frac{4}{5} =$$

12.



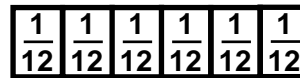
$$\frac{2}{3} =$$

13.



$$= \frac{2}{5}$$

14.



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

## Fractions

### Skill 5 - 10E

#### Equivalent Fractions

**Directions:** Fill in the missing numerator or denominator to make equivalent fractions.

<p style="text-align: center;">Multiply the numerator and the denominator by the same number.</p> $\frac{1}{2} = \frac{\quad}{4}$ $\frac{1 \times 2}{2 \times 2} = \frac{2}{4}$	<p style="text-align: center;">Divide the numerator and the denominator by the same common factor.</p> $\frac{4}{8} = \frac{\quad}{2}$ $\frac{4 \div 4}{8 \div 4} = \frac{1}{2}$
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15. $\frac{3}{4} = \frac{\quad}{12}$	16. $\frac{4}{16} = \frac{\quad}{4}$	17. $\frac{12}{16} = \frac{\quad}{8}$	18. $\frac{2}{3} = \frac{\quad}{6}$	19. $\frac{3}{9} = \frac{\quad}{3}$
20. $\frac{4}{5} = \frac{\quad}{10}$	21. $\frac{12}{16} = \frac{\quad}{8}$	22. $\frac{1}{6} = \frac{\quad}{12}$	23. $\frac{10}{25} = \frac{\quad}{5}$	24. $\frac{4}{10} = \frac{\quad}{5}$
25. $\frac{3}{4} = \frac{6}{\quad}$	26. $\frac{\quad}{12} = \frac{2}{3}$	27. $\frac{\quad}{10} = \frac{4}{5}$	28. $\frac{3}{4} = \frac{\quad}{8}$	29. $\frac{8}{16} = \frac{1}{\quad}$
30. $\frac{6}{10} = \frac{3}{\quad}$	31. $\frac{5}{15} = \frac{\quad}{3}$	32. $\frac{2}{10} = \frac{\quad}{5}$	33. $\frac{2}{3} = \frac{\quad}{6}$	34. $\frac{5}{8} = \frac{\quad}{16}$
35. $\frac{6}{10} = \frac{3}{\quad}$	36. $\frac{5}{15} = \frac{\quad}{3}$	37. $\frac{2}{10} = \frac{\quad}{5}$	38. $\frac{2}{3} = \frac{\quad}{6}$	39. $\frac{1}{2} = \frac{\quad}{8}$

## Fractions

### Skill 5 - 10E

#### Equivalent Fractions

**Directions:** Use multiplication or division to write an equivalent fraction.

40.  $\frac{1}{6}$

41.  $\frac{2}{3}$

42.  $\frac{3}{8}$

43.  $\frac{3}{4}$

44.  $\frac{1}{2}$

45.  $\frac{5}{6}$

46.  $\frac{7}{21}$

47.  $\frac{3}{9}$

48.  $\frac{2}{12}$

49.  $\frac{4}{8}$

50.  $\frac{8}{16}$

51.  $\frac{12}{16}$

52.  $\frac{2}{8}$

53.  $\frac{1}{4}$

54.  $\frac{2}{4}$

55.  $\frac{3}{8}$

56.  $\frac{10}{20}$

57.  $\frac{9}{12}$

58.  $\frac{9}{24}$

59.  $\frac{15}{18}$

60.  $\frac{2}{12}$

61.  $\frac{6}{9}$

62.  $\frac{6}{18}$

63.  $\frac{2}{9}$

64.  $\frac{4}{12}$

**Directions:** For each fraction, write two equivalent fractions.

65.  $\frac{2}{5}$

66.  $\frac{2}{8}$

67.  $\frac{5}{6}$

68.  $\frac{6}{12}$

69.  $\frac{4}{5}$

70.  $\frac{3}{4}$

71.  $\frac{3}{6}$

72.  $\frac{3}{5}$

73.  $\frac{2}{4}$

74.  $\frac{1}{5}$

75.  $\frac{1}{6}$

76.  $\frac{3}{8}$

77.  $\frac{2}{6}$

78.  $\frac{7}{8}$

79.  $\frac{5}{6}$

80.  $\frac{1}{8}$

81.  $\frac{6}{8}$

82.  $\frac{2}{7}$

83.  $\frac{5}{8}$

84.  $\frac{3}{7}$

85.  $\frac{3}{6}$

86.  $\frac{4}{8}$

87.  $\frac{2}{9}$

88.  $\frac{4}{6}$

89.  $\frac{6}{7}$

90.  $\frac{6}{9}$

91.  $\frac{1}{7}$

92.  $\frac{3}{9}$

Answers for grade 5 skill 10E practice sheet

1. $\frac{6}{8}$	2. $\frac{6}{10}$	3. $\frac{3}{4}$	4. $\frac{2}{8}$	5. $\frac{2}{5}$	6. $\frac{3}{5}$	7. $\frac{4}{6}$	8. $\frac{6}{9}$	9. $\frac{1}{3}$	10. $\frac{3}{4}$	11. $\frac{8}{10}$	12. $\frac{4}{6}$
13. $\frac{4}{10}$	14. $\frac{6}{12}$	15. 9	16. 1	17. 6	18. 4	19. 1	20. 8	21. 6	22. 2	23. 2	24. 2
25. 8	26. 8	27. 8	28. 6	29. 2	30. 5	31. 1	32. 1	33. 4	34. 10	35. 5	36. 1
37. 1	38. 4	39. 4	the following have more answers than the one given.								
40. $\frac{2}{12}$	41. $\frac{4}{6}$	42. $\frac{6}{16}$	43. $\frac{6}{8}$	44. $\frac{2}{4}$	45. $\frac{10}{12}$	46. $\frac{1}{3}$	47. $\frac{1}{3}$	48. $\frac{1}{6}$	49. $\frac{2}{4}$		
50. $\frac{2}{4}$	51. $\frac{3}{4}$	52. $\frac{1}{4}$	53. $\frac{2}{8}$	54. $\frac{1}{2}$	55. $\frac{6}{16}$	56. $\frac{1}{2}$	57. $\frac{3}{4}$	58. $\frac{3}{8}$	59. $\frac{5}{6}$		
60. $\frac{1}{6}$	61. $\frac{2}{3}$	62. $\frac{1}{3}$	63. $\frac{4}{18}$	64. $\frac{1}{3}$	the following have more answers than the ones given.						
65. $\frac{4}{10}$ $\frac{6}{15}$	66. $\frac{1}{4}$ $\frac{4}{16}$	67. $\frac{10}{12}$ $\frac{15}{18}$	68. $\frac{3}{6}$ $\frac{1}{2}$	69. $\frac{8}{10}$ $\frac{12}{15}$							
70. $\frac{6}{8}$ $\frac{9}{12}$	71. $\frac{1}{2}$ $\frac{6}{12}$	72. $\frac{6}{10}$ $\frac{9}{15}$	73. $\frac{1}{2}$ $\frac{4}{8}$	74. $\frac{2}{10}$ $\frac{3}{15}$							
75. $\frac{2}{12}$ $\frac{13}{18}$	76. $\frac{6}{16}$ $\frac{9}{24}$	77. $\frac{1}{3}$ $\frac{4}{12}$	78. $\frac{14}{16}$ $\frac{21}{24}$	79. $\frac{10}{12}$ $\frac{15}{18}$							
80. $\frac{2}{16}$ $\frac{3}{24}$	81. $\frac{3}{4}$ $\frac{12}{16}$	82. $\frac{4}{14}$ $\frac{6}{21}$	83. $\frac{10}{16}$ $\frac{15}{24}$	84. $\frac{6}{14}$ $\frac{9}{21}$							
85. $\frac{1}{2}$ $\frac{6}{12}$	86. $\frac{2}{4}$ $\frac{1}{2}$	87. $\frac{4}{18}$ $\frac{6}{27}$	88. $\frac{2}{3}$ $\frac{8}{12}$	89. $\frac{12}{14}$ $\frac{18}{21}$							
90. $\frac{2}{3}$ $\frac{12}{18}$	91. $\frac{2}{14}$ $\frac{3}{21}$	92. $\frac{1}{3}$ $\frac{6}{18}$									