

Name: _____

Score: _____

Equivalent Fractions: 3 [A]



x	equivalent	compare	+/- mixed	adv decimals
imp/mixed	simplify	+/- common	decimals	revision

Equivalent Fractions:

Equivalent fractions represent the same amount even though they have different numerators and denominators.

For example: $\frac{1}{2} = \frac{2}{4} = \frac{4}{8}$

To make an equivalent fraction you have to multiply or divide the numerator and denominator by the same number.

$$\frac{2}{3} = \frac{2 \times 3}{3 \times 3} = \frac{6}{9} \quad \frac{15}{25} = \frac{15 \div 5}{25 \div 5} = \frac{3}{5}$$

Equivalent Fractions

1) $\frac{1}{3} = \frac{7}{\quad}$

6) $\frac{5}{\quad} = \frac{10}{25}$

11) $\frac{5}{6} = \frac{\quad}{36}$

16) $\frac{4}{\quad} = \frac{24}{36}$

2) $\frac{2}{4} = \frac{6}{\quad}$

7) $\frac{1}{\quad} = \frac{9}{27}$

12) $\frac{5}{6} = \frac{35}{\quad}$

17) $\frac{3}{8} = \frac{30}{\quad}$

3) $\frac{1}{2} = \frac{2}{\quad}$

8) $\frac{3}{\quad} = \frac{6}{\quad}$

13) $\frac{3}{\quad} = \frac{\quad}{\quad}$

18) $\frac{1}{\quad} = \frac{3}{\quad}$

4) $\frac{2}{\quad} = \frac{14}{56}$

5) $\frac{1}{6} = \frac{9}{\quad}$

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Multiplying

21) $\frac{1}{9}$ of 8 = _____

22) $\frac{3}{9}$ of 8 = _____

23) $\frac{1}{10}$ of 4 = _____

24) $\frac{6}{10}$ of 50 = _____

29) $\frac{1}{4}$ of 36 = _____

34) $27 \times \frac{1}{3} = \underline{\hspace{2cm}}$

39) $36 \times \frac{7}{9} = \underline{\hspace{2cm}}$

25) $\frac{1}{6}$ of 18 = _____

30) $\frac{3}{4}$ of 36 = _____

35) $28 \times \frac{3}{4} = \underline{\hspace{2cm}}$

40) $6 \times \frac{5}{6} = \underline{\hspace{2cm}}$

Revision

41) $8 + 4 = \underline{\hspace{2cm}}$

46) $7 + 7 = \underline{\hspace{2cm}}$

51) $13 - 7 = \underline{\hspace{2cm}}$

56) $6 - 3 = \underline{\hspace{2cm}}$

42) $9 + 4 = \underline{\hspace{2cm}}$

47) $7 + 6 = \underline{\hspace{2cm}}$

52) $5 - 3 = \underline{\hspace{2cm}}$

57) $16 - 7 = \underline{\hspace{2cm}}$

43) $8 + 7 = \underline{\hspace{2cm}}$

48) $9 + 8 = \underline{\hspace{2cm}}$

53) $15 - 7 = \underline{\hspace{2cm}}$

58) $11 - 4 = \underline{\hspace{2cm}}$

44) $9 + 7 = \underline{\hspace{2cm}}$

49) $9 + 9 = \underline{\hspace{2cm}}$

54) $16 - 9 = \underline{\hspace{2cm}}$

59) $20 - 10 = \underline{\hspace{2cm}}$

45) $5 + 8 = \underline{\hspace{2cm}}$

50) $6 + 2 = \underline{\hspace{2cm}}$

55) $19 - 9 = \underline{\hspace{2cm}}$

60) $7 - 4 = \underline{\hspace{2cm}}$

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Name: _____

Score: _____

Equivalent Fractions: 3 [B]



x	equivalent	compare	+/- mixed	adv decimals
imp/mixed	simplify	+/- common	decimals	revision

Equivalent fractions

- | | | | |
|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|
| 1) $\frac{1}{4} = \frac{3}{12}$ | 6) $\frac{4}{8} = \frac{8}{16}$ | 11) $\frac{1}{3} = \frac{8}{24}$ | 16) $\frac{1}{2} = \frac{5}{10}$ |
| 2) $\frac{2}{4} = \frac{8}{16}$ | 7) $\frac{3}{6} = \frac{30}{60}$ | 12) $\frac{1}{2} = \frac{9}{18}$ | 17) $\frac{1}{5} = \frac{6}{30}$ |
| 3) $\frac{2}{4} = \frac{7}{28}$ | 8) $\frac{2}{3} = \frac{8}{12}$ | 13) $\frac{1}{2} = \frac{5}{10}$ | 18) $\frac{3}{6} = \frac{12}{24}$ |
| 4) $\frac{5}{8} = \frac{15}{40}$ | 9) $\frac{3}{6} = \frac{6}{12}$ | 14) $\frac{1}{4} = \frac{3}{12}$ | 19) $\frac{3}{4} = \frac{18}{24}$ |
| 5) $\frac{1}{6} = \frac{2}{12}$ | 10) $\frac{1}{3} = \frac{6}{18}$ | 15) $\frac{3}{5} = \frac{18}{30}$ | 20) $\frac{1}{2} = \frac{5}{10}$ |

Multiplying fractions by whole numbers

- 21) $\frac{1}{6}$ of 36 = _____
- 22) $\frac{4}{6}$ of 3 = _____
- 23) $\frac{1}{6}$ of 3 = _____
- 24) $\frac{5}{6}$ of 3 = _____
- 25) $\frac{1}{2}$ of 1 = _____

Multiplying whole numbers by fractions

- 31) $12 \times \frac{1}{2} =$ _____
- 32) $40 \times \frac{1}{5} =$ _____
- 33) _____
- 34) _____
- 35) _____
- 36) _____

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Revision

- | | | | | | | | | | | | | | | | | |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|----------------------|
| 41) $5 + 8 =$ _____ | 42) $4 + 2 =$ _____ | 43) $5 + 4 =$ _____ | 44) $4 + 6 =$ _____ | 45) $8 + 2 =$ _____ | 49) $5 + 2 =$ _____ | 50) $6 + 5 =$ _____ | 51) $7 + 3 =$ _____ | 52) $8 + 1 =$ _____ | 53) $9 + 0 =$ _____ | 54) $7 - 3 =$ _____ | 55) $18 - 9 =$ _____ | 56) $10 - 5 =$ _____ | 57) $15 - 8 =$ _____ | 58) $12 - 6 =$ _____ | 59) $18 - 10 =$ _____ | 60) $14 - 6 =$ _____ |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|----------------------|

Improper Fractions to Mixed Numbers

- | | | | | | | | |
|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
| 61) $\frac{10}{4} =$ _____ | 62) $\frac{36}{6} =$ _____ | 63) $\frac{15}{8} =$ _____ | 64) $\frac{35}{9} =$ _____ | 65) $\frac{52}{10} =$ _____ | 66) $\frac{17}{6} =$ _____ | 67) $\frac{22}{9} =$ _____ | 68) $\frac{34}{8} =$ _____ |
|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|

Mixed Numbers to Improper Fractions

- | | | | | | | | |
|-----------------------------|----------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|----------------------------|
| 69) $2 \frac{3}{5} =$ _____ | 70) $8 = \frac{\quad}{10}$ | 71) $4 \frac{1}{6} =$ _____ | 72) $3 \frac{8}{10} =$ _____ | 73) $7 \frac{7}{10} =$ _____ | 74) $6 \frac{2}{3} =$ _____ | 75) $9 \frac{2}{10} =$ _____ | 76) $10 = \frac{\quad}{4}$ |
|-----------------------------|----------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|----------------------------|

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Name: _____

Score: _____

Equivalent Fractions: 3 [C]



x	equivalent	compare	+/- mixed	adv decimals
imp/mixed	simplify	+/- common	decimals	revision

Equivalent Fractions

- | | | | |
|----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| 1) $\frac{3}{4} = \frac{18}{30}$ | 6) $\frac{5}{6} = \frac{10}{16}$ | 11) $\frac{1}{2} = \frac{6}{2}$ | 16) $\frac{2}{5} = \frac{8}{16}$ |
| 2) $\frac{2}{3} = \frac{18}{3}$ | 7) $\frac{2}{4} = \frac{18}{24}$ | 12) $\frac{2}{4} = \frac{4}{4}$ | 17) $\frac{2}{5} = \frac{36}{45}$ |
| 3) $\frac{2}{2} = \frac{8}{16}$ | 8) $\frac{2}{5} = \frac{8}{20}$ | 13) $\frac{2}{5} = \frac{7}{35}$ | 18) $\frac{2}{5} = \frac{\quad}{15}$ |
| 4) $\frac{2}{3} = \frac{16}{3}$ | 9) $\frac{5}{5} = \frac{30}{48}$ | 14) $\frac{4}{6} = \frac{\quad}{12}$ | 19) $\frac{3}{5} = \frac{15}{5}$ |
| 5) $\frac{4}{4} = \frac{12}{24}$ | 10) $\frac{3}{6} = \frac{\quad}{54}$ | 15) $\frac{2}{3} = \frac{2}{6}$ | 20) $\frac{2}{6} = \frac{12}{24}$ |

Multiplying fractions by whole numbers

- 21) $\frac{5}{7}$ of 28 = _____
- 22) $\frac{1}{3}$ of 2 = _____
- 23) $\frac{3}{8}$ of 5 = _____
- 24) $\frac{1}{8}$ of 3 = _____
- 25) $\frac{5}{6}$ of 1 = _____

Multiplying whole numbers by fractions

- 31) $30 \times \frac{4}{4} =$ _____
- 32) $42 \times \frac{4}{4} =$ _____
- 33) _____ = _____
- 34) _____ = _____
- 35) _____ = _____
- 36) _____ = _____

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Revision

- | | | | | | | | | | | |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|---------------------|---------------------|
| 41) $5 + 4 =$ _____ | 42) $7 + 5 =$ _____ | 43) $7 + 6 =$ _____ | 44) $9 + 9 =$ _____ | 45) $7 + 7 =$ _____ | 49) $9 + 6 =$ _____ | 50) $7 + 3 =$ _____ | 54) $14 - 5 =$ _____ | 55) $18 - 9 =$ _____ | 59) $4 - 2 =$ _____ | 60) $6 - 3 =$ _____ |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|---------------------|---------------------|

Improper Fractions to Mixed Numbers

- | | | | | | | | |
|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
| 61) $\frac{12}{8} =$ _____ | 62) $\frac{18}{3} =$ _____ | 63) $\frac{11}{3} =$ _____ | 64) $\frac{25}{8} =$ _____ | 65) $\frac{18}{10} =$ _____ | 66) $\frac{13}{6} =$ _____ | 67) $\frac{17}{9} =$ _____ | 68) $\frac{14}{3} =$ _____ |
|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|

Mixed Numbers to Improper Fractions

- | | | | | | | | |
|--|----------------------------|--|--|---|--|---|-----------------------------|
| 69) $2\frac{3}{7} = \frac{\quad}{\quad}$ | 70) $7 = \frac{\quad}{10}$ | 71) $4\frac{1}{4} = \frac{\quad}{\quad}$ | 72) $3\frac{1}{5} = \frac{\quad}{\quad}$ | 73) $4\frac{9}{10} = \frac{\quad}{\quad}$ | 74) $1\frac{3}{5} = \frac{\quad}{\quad}$ | 75) $6\frac{5}{10} = \frac{\quad}{\quad}$ | 76) $10 = \frac{\quad}{10}$ |
|--|----------------------------|--|--|---|--|---|-----------------------------|

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