Fractions & Mixed Numbers - Review

Name: _____ Date: _____

Show your work. Reduce answers. Change improper answers to mixed numbers when needed.

Improper Fractions to Mixed Numbers

Divide the top number by the bottom number. The leftover goes on top of the fraction.

Example: 19/4 = 4 with 3 left over = 4 3/4

1. 17/5 = _____
2. 29/6 = _____
3. 43/8 = _____
4. 58/9 = _____
5. 37/4 = _____
6. 65/12 = _____

Mixed Numbers to Improper Fractions

Whole number x bottom number + top number. Put your answer over the same bottom number.

Example: 3 2/5 -> 3 x 5 + 2 = 17 -> 17/5

7. 2 3/4 = _____
8. 5 2/7 = _____
9. 3 5/6 = _____
10. 7 1/3 = _____
11. 4 7/8 = _____
12. 6 5/9 = _____

LIVEWORKSHEETS

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Reduce Fractions

Find a number that divides evenly into BOTH numbers. Divide both by it. Keep going until you cannot.

Example: 18/24 -> divide both by 6 -> 3/4

13. 12/18 =

14. 21/35 =

15. 36/48 =

16. 28/42 =

17. 24/40 =

18. 63/81 =

Multiply Fractions and Mixed Numbers

Change mixed numbers to improper fractions first. Multiply straight across: top x top, bottom x bottom. Reduce.

Example: 1 1/2 x 2/5 -> 3/2 x 2/5 = 6/10 = 3/5

19. 2/3 x 3/5 =

20. 4/7 x 7/8 =

21. 1 1/2 x 2/3 =

22. 2 1/4 x 1 1/3 =

23. 5/6 x 3/10 =

24. 3 2/5 x 1 1/4 =

LIVEWORKSHEETS

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Divide Fractions and Mixed Numbers

Change mixed numbers first. KEEP the first fraction, CHANGE divide to multiply, FLIP the second. Then multiply.

Example: 3/4 ÷ 2/5 -> 3/4 x 5/2 = 15/8 = 1 7/8

25. 3/4 ÷ 1/2 =

26. 5/6 ÷ 2/3 =

27. 1 1/2 ÷ 3/4 =

28. 2 2/3 ÷ 1 1/3 =

29. 7/8 ÷ 7/12 =

30. 3 3/4 ÷ 1 1/2 =

Add and Subtract Fractions and Mixed Numbers

For mixed numbers, change to improper fractions FIRST. Make the bottom numbers match, then add or subtract the top numbers. Keep the bottom number and reduce.

Example: 3 1/4 - 1 3/4 -> 13/4 - 7/4 = 6/4 = 1 1/2

31. 2/7 + 3/7 =

32. 5/6 - 1/4 =

33. 1 3/4 + 2 1/2 =

34. 4 1/3 - 2 5/6 =

35. 2/3 + 5/8 =

36. 5 1/4 - 2 7/8 =

LIVEWORKSHEETS