Fractions Revision

A. Complete the following equivalent fractions.

1. $\frac{2}{6} = \frac{8}{\quad}$

2. $\frac{16}{20} = \frac{\quad}{5}$

3. $\frac{7}{9} = \frac{\quad}{27}$

4. $\frac{\quad}{24} = \frac{9}{12}$

B. Take the following fractions down to their lowest terms.

5. $\frac{15}{30} = \frac{\quad}{\quad}$

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

7. $\frac{3}{12} = \frac{\quad}{\quad}$

8. $\frac{6}{8} = \frac{\quad}{\quad}$

9. $\frac{7}{21} = \frac{\quad}{\quad}$

10. $\frac{2}{10} = \frac{\quad}{\quad}$

C. Add the following fractions.

11. $\frac{3}{8} + \frac{2}{8} = \_\_$

12. $\frac{9}{10} + \frac{7}{10} = \_\_$

13. $\frac{3}{2} + \frac{1}{2} = \_\_$

14. $\frac{4}{2} + \frac{3}{6} = \_\_$

15. $\frac{6}{7} + \frac{2}{3} = \_\_$

16. $\frac{5}{6} + \frac{4}{9} = \_\_$

D. Subtract the following fractions.

17. $\frac{5}{7} - \frac{3}{7} = \_\_$

18. $\frac{10}{12} - \frac{7}{12} = \_\_$

19. $\frac{9}{11} - \frac{4}{11} = \_\_$

20. $\frac{4}{5} - \frac{3}{10} = \_\_$

21. $\frac{3}{6} - \frac{3}{8} = \_\_$

22. $\frac{11}{12} - \frac{7}{9} = \_\_$

E. Complete the following:

23. $2\frac{2}{3} \times 4\frac{1}{4} =$ —

24. $1\frac{4}{5} \div 1\frac{5}{10} =$ —

25. $3\frac{1}{5} \times \frac{5}{8} =$ —

26. $\frac{10}{15} \div 4\frac{2}{5} =$ —

27. $\frac{7}{10} \times \frac{5}{7} =$ —

28. $\frac{9}{12} \div \frac{3}{6} =$ —

F. Change the following improper fractions to mixed numbers.

29. $\frac{36}{7} =$ ___

30. $\frac{59}{8} =$ ___

31. $\frac{41}{4} =$ ___

32. $\frac{28}{5} =$ ___

33. $\frac{17}{3} =$ ___

34. $\frac{35}{6} =$ ___

G. Change the following mixed numbers to improper fractions.

35. $9\frac{3}{5} =$ ___

36. $2\frac{8}{10} =$ ___

37. $7\frac{4}{6} =$ ___

38. $5\frac{5}{7} =$ ___

39. $3\frac{2}{9} =$ ___

40. $8\frac{1}{2} =$ ___

H. Answer all of the following questions.

41. Mother has $\frac{7}{8}$ of a chocolate cake in the fridge. She wants to divide it equally between her 3 daughters. What fraction will each daughter receive?

Answer = ___ chocolate cake

42. Laquon has $\frac{3}{4}$ metres of string.

Jamar has $\frac{1}{2}$ metres of string.

Jaheim has $\frac{5}{8}$ metres of string.

How many metres of string do the 3 boys have altogether?

Answer = ___ metres of string

43. Shaniqua ran 4 laps for $1\frac{3}{4}$ minutes each. For how many minutes did she run?

Answer = __ minutes

44. Alana has $1\frac{1}{4}$ litres of juice. She wants to give her brother $\frac{5}{6}$ litres of juice. How many litres of juice will Alana have left?

Answer = — litres of juice