Fractions Revision

A. Complete the following equivalent fractions.

1. $\dfrac{2}{6} = \dfrac{8}{}$

2. $\dfrac{16}{20} = \dfrac{}{5}$

3. $\dfrac{7}{9} = \dfrac{}{27}$

4. $\dfrac{}{24} = \dfrac{9}{12}$

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

5. $\dfrac{15}{30} = {-}$

6. $\dfrac{2}{4} = {-}$

7. $\dfrac{3}{12} = {-}$

8. $\dfrac{6}{8} = {-}$

9. $\dfrac{7}{21} = {-}$

10. $\dfrac{2}{10} = {-}$

C. Add the following fractions.

11. $\dfrac{3}{8} + \dfrac{2}{8} = \underline{\quad}$

14. $\dfrac{4}{2} + \dfrac{3}{6} = \underline{\quad}$

12. $\dfrac{9}{10} + \dfrac{7}{10} = \underline{\quad}$

15. $\dfrac{6}{7} + \dfrac{2}{3} = \underline{\quad}$

13. $\dfrac{3}{2} + \dfrac{1}{2} = \underline{\quad}$

16. $\dfrac{5}{6} + \dfrac{4}{9} = \underline{\quad}$

D. Subtract the following fractions.

17. $\dfrac{5}{7} - \dfrac{3}{7} = \underline{\quad}$

20. $\dfrac{4}{5} - \dfrac{3}{10} = \underline{\quad}$

18. $\dfrac{10}{12} - \dfrac{7}{12} = \underline{\quad}$

21. $\dfrac{3}{6} - \dfrac{3}{8} = \underline{\quad}$

19. $\dfrac{9}{11} - \dfrac{4}{11} = \underline{\quad}$

22. $\dfrac{11}{12} - \dfrac{7}{9} = \underline{\quad}$

E. Complete the following:

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

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

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

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

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

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

F. Change the following improper fractions to mixed numbers.

29. $\dfrac{36}{7}$ = —

30. $\dfrac{59}{8}$ = —

31. $\dfrac{41}{4}$ = —

32. $\dfrac{28}{5}$ = —

33. $\dfrac{17}{3}$ = —

34. $\dfrac{35}{6}$ = —

G. Change the following mixed numbers to improper fractions.

35. $9\dfrac{3}{5}$ = —

36. $2\dfrac{8}{10}$ = —

37. $7\dfrac{4}{6}$ = —

38. $5\dfrac{5}{7}$ = —

39. $3\dfrac{2}{9}$ = —

40. $8\dfrac{1}{2}$ = —

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