Health Care Math

Unit 2: Fractions

1. Write the fraction on the left as an equivalent fraction
(Similar to p.38 #1-10)

$$\frac{1}{3} = \frac{?}{12}$$

2. Write the fraction on the left as an equivalent fraction
(Similar to p.38 #1-10)

$$\frac{1}{5} = \frac{?}{30}$$

3. Write the fraction on the left as an equivalent fraction
(Similar to p.38 #1-10)

$$\frac{4}{7} = \frac{\quad}{21}$$

4. Simplify the fraction:
(Similar to p.39 #1-10)

$$\frac{4}{12}$$

5. Simplify the fraction:
(Similar to p.39 #1-10)

$$\frac{12}{24}$$

6. Simplify the fraction:
(Similar to p.39 #1-10)

$$\frac{30}{50}$$

7. Simplify the fraction:
(Similar to p.39 #1-10)

$$\frac{12}{18}$$

8. Simplify the fraction:
(Similar to p.40 #1-10)

$$5\frac{3}{6}$$

9. Simplify the fraction:
(Similar to p.40 #1-10)

$$8\frac{20}{24}$$

10. Simplify the fraction:
(Similar to p.40 #1-10)

$$2\frac{33}{44}$$

11. Write the fractional part the represents the relationships of the part to the whole. Then reduce all your answers to the lowest form:
(Similar to p.41 #1-5)

40 out of 120 patients at a clinic are men. What is the fractional part of men to total patients?

12. Write the following improper fractions in mixed number form:
(Similar to p.41 #1-10)

$$\frac{10}{3}$$

13. Write the following improper fractions in mixed number form:
(Similar to p.41 #1-10)

$$\frac{25}{7}$$

14. Write the following improper fractions in mixed number form:
(Similar to p.41 #1-10)

$$\frac{33}{5}$$

15. Add the following fractions. Reduce as necessary:
(Similar to p.43 #1-15)

$$\frac{1}{3}+\frac{1}{3}$$

16. Add the following fractions. Reduce as necessary:
(Similar to p.43 #1-15)

$$\frac{2}{10}+\frac{3}{10}$$

17. Add the following fractions. Reduce as necessary:
(Similar to p.43 #1-15)

$$\frac{1}{4}+\frac{3}{4}$$

18. Add the following fractions. Reduce as necessary: (Similar to p.43 #1-15)

$$\frac{5}{12}+\frac{3}{12}$$

19. Add the following fractions. Reduce as necessary: (Similar to p.43 #1-15)

$$3\frac{1}{6}+8\frac{1}{6}$$

20. Add the following fractions. Reduce as necessary: (Similar to p.43 #1-15)

$$7\frac{1}{5}+\frac{4}{5}$$

21. Add the following fractions. Reduce as necessary: (Similar to p.43 #1-15)

$$\frac{1}{15}+\frac{4}{15}+\frac{5}{15}$$

22. Add the following fractions. Reduce as necessary: (Similar to p.43 #1-15)

$$5\frac{2}{20}+7\frac{3}{20}+2\frac{10}{20}$$

23. Find the common denominator in the following pairs of numbers: (Similar to p.45 #1-10, p.46 #1-10)

$$\frac{1}{4} \quad \textit{and} \quad \frac{1}{6}$$

24. Find the common denominator in the following pairs of numbers:
(Similar to p.45 #1-10, p.46 #1-10)

$$\frac{5}{36} \quad and \quad \frac{1}{8}$$

25. Find the common denominator in the following pairs of numbers:
(Similar to p.45 #1-10, p.46 #1-10)

$$\frac{7}{24} \quad and \quad \frac{1}{50}$$

26. Add the following fractions with unlike denominators:
(Similar to p.45 #1-10)

$$\frac{1}{3}+\frac{1}{6}$$

27. Add the following fractions with unlike denominators:
(Similar to p.45 #1-10)

$$\frac{5}{12}+\frac{1}{16}$$

28. Add the following fractions with unlike denominators:
(Similar to p.45 #1-10)

$$\frac{7}{10}+\frac{3}{25}$$

29. Add the following fractions with unlike denominators:
(Similar to p.45 #1-10)

$$\frac{1}{16}+\frac{1}{36}$$

30. Add the following fractions with unlike denominators:
(Similar to p.45 #1-10)

$$\frac{1}{5}+\frac{1}{3}+\frac{1}{4}$$

31. Add the following fractions with unlike denominators:
(Similar to p.45 #1-10, p.47 #1-20)

$$7\frac{3}{10}+2\frac{1}{4}$$

32. Add the following fractions with unlike denominators:
(Similar to p.45 #1-10 , p.47 #1-20)

$$2\frac{2}{3}+5\frac{5}{8}+4\frac{5}{6}$$

33. Add the following fractions with unlike denominators:
(Similar to p.45 #1-10 , p.47 #1-20)

$$1\frac{3}{10}+4\frac{5}{12}+7\frac{7}{3}$$

34. Order the following fractions from largest to smallest:
(Similar to p.49 #1-4)

$$\frac{1}{3},\frac{4}{5},\frac{4}{9},\frac{2}{15}$$

35. Subtract the following fractions:
(Similar to p.50 #1-20)

$$\frac{4}{5}-\frac{1}{5}$$

36. Subtract the following fractions: (Similar to p.50 #1-20)

$$10\frac{8}{9}-2\frac{5}{9}$$

37. Subtract the following fractions: (Similar to p.50 #1-20)

$$\frac{7}{12}-\frac{1}{9}$$

38. Subtract the following fractions: (Similar to p.50 #1-20)

$$8\frac{3}{10}-2\frac{1}{15}$$

39. Subtract the following fractions: (Similar to p.52 #1-10, p.52 #1-15, p.53 #1-10)

$$10-\frac{2}{3}$$

40. Subtract the following fractions: (Similar to p.52 #1-10, p.52 #1-15, p.53 #1-10)

$$5\frac{1}{5}-2\frac{4}{5}$$

41. Subtract the following fractions: (Similar to p.52 #1-10, p.52 #1-15, p.53 #1-10)

$$9\frac{5}{18}-1\frac{3}{4}$$

42. Subtract the following fractions:
(Similar to p.52 #1-10, p.52 #1-15, p.53 #1-10)

$$10\frac{1}{3}-2\frac{5}{9}$$

43. Multiply the following fractions:
(Similar to p.55 #1-10)

$$\frac{5}{3}\times\frac{12}{10}$$

44. Multiply the following fractions:
(Similar to p.55 #1-10)

$$\frac{20}{5}\times\frac{10}{12}$$

45. Multiply the following fractions:
(Similar to p.56 #1-10)

$$\frac{4}{15}\times 9$$

46. Multiply the following fractions:
(Similar to p.58 #1-12)

$$\frac{8}{24}\times\frac{6}{10}\times\frac{20}{3}$$

47. Change these mixed numbers into improper fractions.
(Similar to p.59 #1-10)

$$4\frac{2}{5}$$

48. Multiply the mixed numbers
(Similar to p.61 #1-10)

$$7\frac{1}{2}\times 5\frac{1}{3}$$

49. Divide the fractions
(Similar to p.63 #1-20)

$$\frac{8}{3}\div\frac{4}{6}$$

50. Divide the fractions
(Similar to p.63 #1-20)

$$\frac{14}{5}\div 21$$

51. Divide the mixed numbers
(Similar to p.63 #1-20)

$$10\frac{2}{3}\div 5\frac{1}{2}$$

52. Convert the following to Fahrenheit (leave in fraction form)
(Similar to p.65 #1-8)

$$30^\circ C$$

53. Convert the following to Celsius (leave in fraction form)
(Similar to p.65 #1-8)

$$60^\circ F$$