

2.1 Practice A

1. $\frac{3}{20}$

2. $\frac{4}{21}$

3. $\frac{14}{33}$

4. $\frac{5}{7}$

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

6. $\frac{4}{25}$

7. $\frac{8}{39}$

8. $10\frac{1}{2}$

9. $1\frac{2}{3}$

10. $\frac{16}{81}$

11. $\frac{1}{6}$

12. $1\frac{31}{33}$

13. $\frac{3}{5}$

14. 4

15. $3\frac{1}{2}$

16. 80

17. $8\frac{1}{4}$

18. 24

19. $1\frac{2}{3}$

20. $43\frac{1}{2}$

21. 1

22. The mixed numbers must be changed to improper fractions before multiplying.

$$3\frac{7}{8} \times 6\frac{2}{5} = \frac{31}{8} \times \frac{32}{5} = \frac{31 \times \overset{4}{\cancel{32}}}{\underset{1}{8} \times 5} = \frac{124}{5} = 24\frac{4}{5}$$

23. a. $\frac{1}{10}$ of the class b. 3 students

24. $6\frac{1}{2}$ ft

25. $584\frac{3}{8}$ in.²

2.3 Practice A

1. 10

2. $6\frac{1}{2}$

3. 8

4. $3\frac{3}{4}$

5. $1\frac{2}{5}$

6. $\frac{2}{9}$

7. $\frac{4}{57}$

8. 4

9. $\frac{4}{5}$

10. $\frac{5}{7}$

11. $4\frac{2}{7}$

12. $\frac{14}{15}$

13. The error was finding the reciprocal of both fractions, not just the divisor.

$$8 \div 2\frac{3}{4} = 8 \div \frac{11}{4} = 8 \times \frac{4}{11} = \frac{32}{11} = 2\frac{10}{11}$$

14. $3\frac{9}{13}$

15. $4\frac{7}{38}$

16. $3\frac{17}{35}$

17. $\frac{5}{43}$

18. 12 pieces

19. $1\frac{4}{7}$ times

20. 14 plots

21. Six loaves can be made and there is 4 cups of flour left over.