

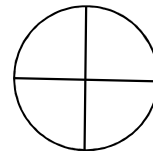
Final Review. (Answers)

Define the following.

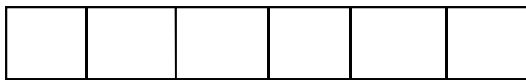
1. denominator- (see glossary, answers may vary)
2. whole-
3. equal parts-
4. improper fractions-
5. mixed fractions-
6. equivalent fractions-
7. reducing fractions-
8. like fractions-
9. reciprocal-

Solve:

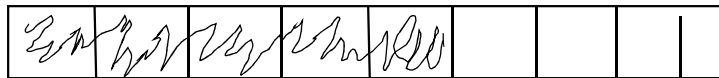
10. divide the circle into 4 equal parts.



11. divide the rectangle into 6 equal parts



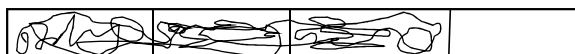
12. shade 5/8



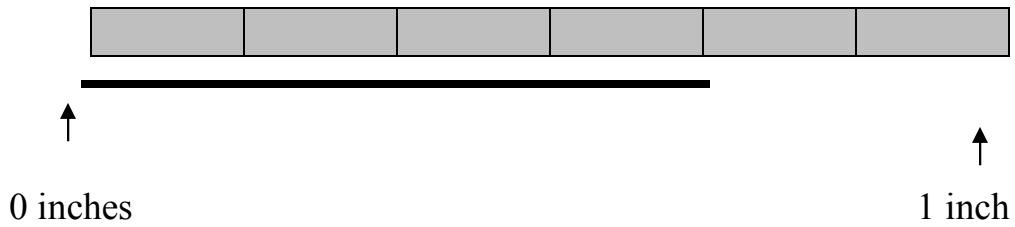
13. shade 1/4



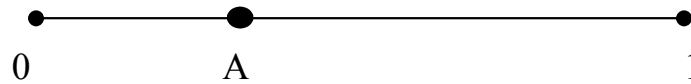
14. shade 3/4



15. draw a line $\frac{4}{6}$ inches long using the ruler



16. put a point A at $\frac{1}{3}$.



17. $19/1 = 19$

18. Change $\frac{15}{4}$ to a mixed fraction. $3 \frac{3}{4}$

19. Change $4 \frac{4}{7}$ to an improper fraction. $\frac{32}{7}$

20. Write 3 equivalent fractions for $\frac{3}{8}$. $\frac{6}{16}, \frac{9}{24}, \frac{12}{32}$, etc.

21. Reduce $\frac{15}{20}$ $\frac{3}{4}$

22. Put in simplest form. $\frac{4}{12}$ $\frac{1}{3}$

23. Change $\frac{1}{4}$ to $\frac{?}{40}$ 10

APPENDIX B: ANSWERS

$$24. \quad 2 \frac{5}{8} - 1 \frac{1}{4} = 1 \frac{3}{8}$$

$$25. \quad 3 \frac{5}{8} \times \frac{1}{4} = \frac{29}{32}$$

$$26. \quad 5 \frac{5}{8} \div 2 \frac{1}{3} = 2 \frac{23}{56}$$

27. Which is greater? $\frac{3}{11}$ or $\frac{2}{3}$ $\frac{2}{3}$

28. Which is greater? $\frac{4}{9}$ or $\frac{5}{18}$ $\frac{4}{9}$

Chapter 14 – Equivalent Fractions & Reducing Fractions (Answers)

Write in simplest form.

1. $\frac{2}{6} = \frac{1}{3}$

2. $\frac{14}{21} = \frac{2}{3}$

3. $\frac{40}{50} = \frac{4}{5}$

4. $\frac{12}{28} = \frac{3}{7}$

5. $\frac{10}{10} = 1$

6. $\frac{3}{9} = \frac{1}{3}$

7. $\frac{15}{45} = \frac{1}{3}$

8. $\frac{12}{18} = \frac{2}{3}$

9. $\frac{3}{27} = \frac{1}{9}$

10. $\frac{20}{25} = \frac{4}{5}$

Chapter 15 – Adding & Subtracting Like Fractions (Answers)

1. $\frac{1}{7} + \frac{1}{7} = \frac{2}{7}$

2. $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$

3. $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$

4. $\frac{7}{10} + \frac{7}{10} = 1 \frac{2}{5}$

5. $\frac{8}{9} - \frac{4}{9} = \frac{4}{9}$

6. $\frac{15}{21} - \frac{14}{21} = \frac{1}{21}$

7. $\frac{1}{6} - \frac{1}{6} = 0$

8. $\frac{5}{6} - \frac{2}{6} = \frac{1}{2}$

9. $\frac{15}{18} + \frac{6}{18} = 1 \frac{1}{6}$

10. $\frac{16}{9} - \frac{10}{9} = \frac{2}{3}$

Chapter 16 – Adding & Subtracting Unlike Fractions (Answers)

1. $\frac{1}{2} + \frac{1}{4} = \frac{3}{4}$

2. $\frac{1}{6} + \frac{1}{3} = \frac{1}{2}$

3. $\frac{1}{18} + \frac{1}{6} = \frac{2}{9}$

4. $\frac{10}{4} - \frac{1}{8} = 2 \frac{3}{8}$

5. $\frac{1}{2} + \frac{1}{5} = \frac{7}{10}$

6. $\frac{3}{2} - \frac{2}{3} = \frac{5}{6}$

7. $3 - \frac{1}{2} = 2 \frac{1}{2}$

8. $\frac{1}{2} - \frac{3}{7} = \frac{1}{14}$

9. $4 - \frac{5}{6} = 3 \frac{1}{6}$

10. $2 - \frac{3}{8} = 1 \frac{5}{8}$

Chapter 17 – Multiplying Fractions (Answers)

1. $\frac{1}{4} \times \frac{4}{3} = \frac{1}{3}$

2. $\frac{1}{8} \times \frac{1}{7} = \frac{1}{56}$

3. $\frac{3}{5} \times \frac{2}{8} = \frac{3}{20}$

4. $3 \times \frac{1}{4} = \frac{3}{4}$

5. $\frac{3}{5} \times 2 = \frac{6}{5}$

6. $\frac{6}{7} \times \frac{7}{6} = 1$

7. $\frac{20}{25} \times \frac{2}{4} = \frac{2}{5}$

8. $\frac{20}{18} \times \frac{9}{50} = \frac{1}{5}$

9. $\frac{2 \times 3 \times 5 \times 7}{4 \times 6 \times 15 \times 7} = \frac{1}{12}$

10. $\frac{4 \times 9 \times 15}{2 \times 3 \times 30} = 3$

Chapter 18 – Dividing Fractions (Answers)

1. $\frac{1}{3} \div \frac{1}{4} = 1 \frac{1}{3}$

2. $\frac{2}{5} \div \frac{1}{8} = 3 \frac{1}{5}$

3. $3 \div \frac{1}{2} = 6$

4. $\frac{2}{9} \div 2 = \frac{1}{9}$

5. $\frac{1}{4} \div \frac{1}{2} = \frac{1}{2}$

6. $5 \div \frac{5}{8} = 8$

7. $1 \div \frac{1}{7} = 7$

8. $\frac{1}{10} \div \frac{3}{10} = \frac{1}{3}$

9. $\frac{3}{12} \div \frac{6}{4} = \frac{1}{6}$

10. $4 \div \frac{8}{3} = 1 \frac{1}{2}$

Chapter 21 – Operations with Mixed & Improper Fractions (Answers)

1. $2 \frac{1}{3} + 3 \frac{1}{3} = 5 \frac{2}{3}$
2. $5 \frac{2}{3} - 3 \frac{1}{3} = 2 \frac{1}{3}$
3. $4 \frac{1}{3} + 2 \frac{1}{2} = 6 \frac{5}{6}$
4. $3 \frac{1}{9} - 1 \frac{1}{6} = 1 \frac{17}{18}$
5. $5 \frac{1}{3} - 2 \frac{1}{8} = 3 \frac{5}{24}$
6. $1 + 2 \frac{1}{2} = 3 \frac{1}{2}$
7. $3 \frac{1}{4} \times 1 \frac{1}{2} = 4 \frac{7}{8}$
8. $7 \frac{1}{3} \div 2 \frac{1}{4} = 3 \frac{7}{27}$
9. $1 \frac{1}{2} \times 2 \frac{1}{2} = 3 \frac{3}{4}$
10. $4 \frac{2}{3} \times 1 \frac{1}{5} = 5 \frac{3}{5}$

Chapter 23 – Comparing Fractions (Answers)

Put the correct symbol in the circle between the fractions, showing either less than, greater than, or equal to. (< > or =)

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

2. $\frac{2}{7}$ \bigcirc $\frac{3}{6}$

3. $\frac{3}{8}$ \bigcirc $\frac{4}{8}$

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

5. $\frac{2}{3}$ \bigcirc $\frac{5}{8}$

6. $\frac{2}{5}$ \bigcirc $\frac{4}{10}$

7. $\frac{10}{16}$ \bigcirc $\frac{7}{16}$

8. $\frac{21}{25}$ \bigcirc $\frac{22}{25}$

9. $\frac{3}{8}$ \bigcirc $\frac{3}{9}$

10. $\frac{1}{2}$ \bigcirc $\frac{1}{3}$