📑 GRADE 5, 6 & 7 WORKSHEET

Topic: DIVISION OF FRACTIONS

Name: _____ .

A. Multiple Choice Questions

1. Simplify: $\left[\frac{1}{7} \div \frac{4}{21}\right]$

   A. $\frac{3}{4}$ B. $\frac{4}{7}$ C. $\frac{2}{9}$ D. $2\frac{3}{4}$ E. $\frac{1}{4}$

2. Simplify: $\left[2\frac{1}{4} \div 3\frac{3}{8}\right]$

   A. $\frac{3}{4}$ B. $\frac{1}{2}$ C. $\frac{3}{8}$ D. $\frac{2}{3}$ E. $\frac{3}{5}$

3. Simplify: $\left[\frac{3}{5} \div 1\frac{1}{5} \div \frac{25}{24}\right]$

   A. $\frac{12}{13}$ B. $\frac{12}{17}$ C. $\frac{12}{25}$ D. $\frac{13}{25}$ E. $\frac{3}{14}$

4. Simplify: $\left[1\frac{1}{4} \div \frac{3}{16}\right]$

   A. $6\frac{3}{4}$ B. $6\frac{2}{3}$ C. $6\frac{1}{4}$ D. $5\frac{3}{4}$ E. $5\frac{2}{3}$

5. Simplify: $\left[2\frac{1}{4} \div 3\frac{3}{8} \div \frac{4}{9}\right]$

   A. $1\frac{3}{4}$ B. $2\frac{3}{4}$ C. $1\frac{1}{4}$ D. $2\frac{3}{4}$ E. $1\frac{1}{2}$

B. Short Answer Questions

6. Simplify: $\left[3\frac{1}{2} \div 3\frac{1}{3} \div 10\frac{1}{2}\right]$

7. Simplify: $\left[4\frac{2}{5} \div 1\frac{1}{4} \div 1\frac{1}{10}\right]$

8. Simplify: $\left[2\frac{1}{4} \div 3\frac{3}{8}\right]$

9. Simplify: $\left[3\frac{1}{9} \div 1\frac{16}{24} \div 1\frac{1}{6}\right]$

10. Simplify: $\left[16\frac{1}{2} \div 5\frac{1}{2}\right]$

C. Word Problems

11. Sarah drank $\frac{3}{4}$ of a litre of juice and shared it equally among $\frac{1}{8}$ litre cups. How many cups did she use?

12. A rope of length $\frac{5}{6}$ m is cut into pieces each of length $\frac{1}{9}$ m. How many pieces can be cut?

13. A recipe requires $\frac{2}{3}$ kg of sugar. If each packet contains $\frac{1}{6}$ kg, how many packets are needed?

14. A tank holds $\frac{7}{8}$ litre of water. If $\frac{1}{16}$ litre is poured into each glass, how many glasses can be filled?

15. A piece of cloth measuring $\frac{9}{10}$ m is cut into pieces of $\frac{3}{20}$ m each. How many pieces can be obtained?

D. Challenge Questions

16. Divide $\dfrac{7}{15}$ by $\dfrac{14}{25}$

17. Divide $\dfrac{11}{12}$ by $\dfrac{22}{36}$

18. A container holds $\dfrac{5}{6}$ litre of milk. If each bottle holds $\dfrac{1}{4}$ litre, how many

bottles are needed?

19. Divide $\dfrac{13}{20}$ by $\dfrac{26}{35}$

20. A ribbon of length $\dfrac{7}{8}$ m is divided into pieces of $\dfrac{7}{32}$ m. How many pieces are

there?