

Name _____

Rational Operations Review

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

2. $\frac{3}{7} \div \frac{6}{11}$ $1\frac{11}{14}$

3. $\frac{3}{10} \cdot \frac{2}{3}$ $\frac{1}{5}$

4. $\frac{7}{9} - 0.4$ $1\frac{7}{45}$

5. $\frac{6}{7} \div 3$ $\frac{2}{7}$

6. $(-\frac{7}{8})(-\frac{1}{7})$ $\frac{1}{8}$

7. $4\frac{1}{5} + 6\frac{3}{4}$ $10\frac{19}{20}$

8. $-\frac{4}{5} \div \frac{5}{6}$ $-2\frac{4}{25}$

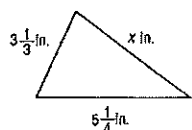
9. $-2\frac{2}{3} \cdot (-\frac{1}{4})$ $\frac{2}{3}$

10. $-3\frac{2}{3} - 4\frac{5}{9}$ $-8\frac{2}{9}$

11. $-\frac{13}{18} \div (-\frac{8}{9})$ $1\frac{3}{16}$

12. $10 \cdot 8.56 \cdot \frac{1}{2}$ 42.8

13. Find the missing measure.



$4\frac{3}{8}$

perimeter = $12\frac{23}{24}$ in.

14. $-10\frac{1}{2} \div 2\frac{1}{3}$ $-4\frac{1}{2}$

15. If $a = -0.2, b = \frac{2}{3}, c = 0.875$,

find abc . $-7/60$

16. POPULATION About $\frac{1}{5}$ of the world's population lives in China, and $\frac{1}{6}$ of the world's population lives in India. What fraction of the world's population lives in other countries? $19/30$ of population

17. COOKING A recipe calls for $2\frac{1}{4}$ cups of flour. How much flour would you need to make $\frac{1}{3}$ of the recipe? $3/4$ cup

18. FARMING A farmer has $6\frac{1}{2}$ acres of land for growing crops. If she plants corn on $\frac{3}{5}$ of the land, how many acres of corn will she have? $3\frac{9}{10}$ acres

19. STORAGE The ceiling in a storage unit is $7\frac{2}{3}$ feet high. How many boxes may be stacked in a single stack if each box is $\frac{3}{4}$ foot tall? 10 boxes

20. OFFICE SUPPLIES A regular paper clip is $1\frac{1}{4}$ inches long, and a jumbo paper clip is $1\frac{7}{8}$ inches long. How many times longer is the jumbo paper clip than the regular paper clip? $1\frac{1}{2}$ times