

For #1-4 simplify all answers

1.
$$\frac{1}{8} \times \frac{21}{7} = \boxed{1}$$
2. $4\frac{1}{2} \div 1\frac{1}{3}$
3. $2\frac{3}{4} \div 20$
4. $\frac{6}{7} \times 2\frac{1}{5}$
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5. Joe spends $\frac{3}{5}$ of an hour on the computer. He spends $\frac{3}{3}$ of that time playing Minecraft. What frequency of the hour did he spend on Minecraft?

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6. The Lufkin football field's perimeter is $\frac{1}{5}$ of a mile. How many laps would it take to go 6 6 ÷ = 30 laps

7. Lucy is baking cookies. The recipe calls for $2\frac{1}{2}$ cups of flour. One tablespoon equals $\frac{1}{16}$ of a cup. How many tablespoons of flour does she need?

8. Bob's poster is $2\frac{1}{8}$ feet long. The roll of poster paper is $3\frac{1}{2}$ times longer, how long is the roll of paper?

$$\frac{17}{8} \cdot \frac{7}{2} = \frac{119}{16} = [7764]$$

9. In Lisa's science class, $\frac{2}{9}$ of the class have A's. If there are 36 students in the class, how many students have an A?

$$\frac{2}{9} = \frac{1}{36}$$
 8 students

10. Ben has 120 marbles. He gave $\frac{1}{6}$ of them to his friends for \$2.00. How much money did he 20 . 2 = 1540 make?

$$\frac{120}{1} \cdot \frac{1}{6} = \frac{120}{6} = 20$$
 marbles

11. What is the greatest whole number less than the value of the following

$$\frac{2 \times 2 \times 2}{5 \times 5 \times 5} = \frac{8}{125}$$





12.
$$7^{2} + 4(18 \div 2) - 9 \times 3$$

 $7^{2} + 4(9) - 9 \times 3$
 $49 + 4(9) - 9 \times 3$
 $49 + 36 - 9 \times 3$

13.
$$3^{?} = 81$$
 $3^{2} = 9$
 $3^{3} = 27$
 $3^{4} = 81$

4

14. Evaluate in exponent form