Basic Math Review Sheet

FRACTIONS

Change to whole or mixed numbers
1. \( \frac{9}{2} \) 2. \( \frac{26}{5} \)

Change to improper fractions
3. \( 8\frac{1}{3} \) 4. \( 5\frac{2}{5} \)

Find the lowest common denominator in the following fractions
5. \( \frac{4}{11} \) and \( \frac{1}{8} \) 6. \( \frac{2}{5} \) and \( \frac{5}{9} \)

Add the following
7. \( \frac{1}{5} \), \( \frac{1}{6} \), and \( \frac{2}{3} \) 8. \( 1\frac{1}{2} + 3\frac{1}{8} + 2\frac{1}{6} \)

Subtract the following
9. \( \frac{5}{7} - \frac{1}{3} \) 10. \( 8\frac{1}{4} - 3\frac{3}{8} \)

Multiply the following and reduce to lowest terms
11. \( \frac{1}{6} \times \frac{1}{3} \) 12. \( \frac{2}{8} \times 1\frac{1}{3} \)

Divide the following and reduce to lowest terms
13. \( \frac{1}{3} \div \frac{2}{5} \) 14. \( 1\frac{1}{8} \div 2\frac{1}{2} \)

Express the following fractions reduced to lowest terms (numbers)
15. \( \frac{4}{120} \) 16. \( \frac{3}{7} \)

DECIMALS

Write the following as decimals
17. Twelve hundredths 18. Three and sixteen thousandths
Add the following
19. $3.04 + 1.864$  
20. $25.7 + 3.008$

Subtract the following
21. $3 - 0.04$  
22. $0.96 - 0.1359$

Multiply the following
23. $0.05 \times 2$  
24. $3 \times 0.4$

Divide the following
25. $500 \div 15$  
26. $20.6 \div 0.21$

Change the following to decimals and carry to the third decimal place
27. $\frac{24}{44}$  
28. $\frac{9\frac{1}{8}}{8}$

PERCENTAGES
Find the following percentages
29. $25\%$ of $300$  
30. $1\%$ of $50$

Change the following decimals to fractions and reduce to lowest terms
31. $0.005$  
32. $0.05$

Change the following fractions to a decimal and a percentage
33. $\frac{3}{4}$  
34. $\frac{1}{8}$
### Rounding

Round the following decimals

<table>
<thead>
<tr>
<th>Decimal</th>
<th>Nearest Whole Number</th>
<th>Nearest Hundreth</th>
<th>Nearest Tenth</th>
</tr>
</thead>
<tbody>
<tr>
<td>35. 0.8734</td>
<td>__________</td>
<td>__________</td>
<td>__________</td>
</tr>
<tr>
<td>36. 0.842</td>
<td>__________</td>
<td>__________</td>
<td>__________</td>
</tr>
<tr>
<td>37. 0.553</td>
<td>__________</td>
<td>__________</td>
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</tr>
<tr>
<td>38. 0.689</td>
<td>__________</td>
<td>__________</td>
<td>__________</td>
</tr>
<tr>
<td>39. 2.75</td>
<td>__________</td>
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<td>__________</td>
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</tbody>
</table>

Answer the following questions

40. What is 25% of 2? 
   Ans: Fraction _______  Ans: Decimal _______

41. What is \( \frac{1}{4} \) of 2? 
   Ans: Fraction _______  Ans: Decimal _______

42. What is 75% of 2? 
   Ans: Fraction _______  Ans: Decimal _______

43. Divide 0.5 by 0.25:

44. Divide 0.2 by 0.1:

45. Divide \( \frac{1}{100} \) by \( \frac{1}{200} \):