SIMPLIFYING EXPRESSIONS

Directions: Simplify each expression using the order of operations.

1) $60 - (2 \cdot 4) - 9$	2) $2[3 + 2(5 - 1)]$	3) $10 + (6 \div 2) - 4$	4) $6 + 2[5 + (2 \cdot 3)]$
5) $6(2 + 3) - 3(8 - 2)$	6) $15 + 3[2(5 + 4) - 2]$	7) $2(5) - 10$	8) $18 - 2[14 - 3(2)]$
9) $2 + 14 \cdot 2 \div 4$	10) $81 \div 27 \cdot (8 - 5)$	11) $\frac{15 + 30}{6 - 1}$	12) $24 - 2(9)$
13) $4 + 2(3 \cdot 4)$	14) $40 \div 4 \cdot (3 - 2)$	15) $(16 - 4) \cdot 4 + 3$	16) $120 - 5[2(3 \cdot 2) - 2]$

MULTI-DIGIT MULTIPLICATION

1) 452 • 82	2) 5,212 • 40	3) 326 • 30
4) 182 • 63	5) 948 • 45	6) 415 • 12
7) 1,255 • 81	8) 4,124 • 22	9) 1,800 • 45

10) A box contains 32 candy bars. How many candy bars would be in a shipment of 563 boxes?

11) 164 books were sold in a bookstore today. If the same number were sold each day, how many books would be sold after 24 days?

12) A stadium has 1,200 rows of seats. Each row has 82 seats. How many people can fit in the stadium?

MULTI-DIGIT DIVISION

1) 186 ÷ 62	2) 525 ÷ 15	3) 896 ÷ 14
4) 288 ÷ 32	5) 688 ÷ 86	6) 156 ÷ 12
7) 1,232 ÷ 14	8) 540 ÷ 20	9) 720 ÷ 48

10) A bag of candy contains 24 pieces. How many bags are needed for a school of 864 students if each student receives one piece?

11) Construction paper comes 16 sheets per pack. How many packs need to be purchased in order to get 224 pieces?

12) A theater has rows of 32 seats. How many rows are needed if 960 people attend a performance at the theater?

ROUNDING DECIMALS

1) Round 15.435 to the nearest tenth.	2) Round 567.065 to the nearest hundredth.	3) Round 874.32 to the nearest ten.
4) Round 4.623 to the nearest whole number.	5) Round 0.7845 to the nearest hundredth.	6) Round 71.963 to the nearest tenth.
7) Round 6.8245 to the nearest tenth.	8) Round 182.675 to the nearest hundred.	9) Round 42.96 to the nearest ten.
10) Round 18.096 to the nearest whole number.	11) Round 14.6734 to the nearest hundredth.	12) Round 28.946 to the nearest tenth.
13) Round 104.642 to the nearest tenth.	14) Round 13.811 to the nearest whole number.	15) Round 23.462 to the nearest hundredth.

ADDING FRACTIONS

1) $\frac{1}{2}+6\frac{2}{3}$	2) $\frac{5}{8}+2$	3) $\frac{9}{10}+3\frac{1}{2}$	4) $4\frac{1}{5}+6\frac{1}{2}$
5) $3\frac{1}{4}+4\frac{1}{2}$	6) $9\frac{1}{3}+4\frac{5}{6}$	7) $\frac{11}{12}+\frac{3}{4}$	8) $2\frac{1}{3}+4\frac{1}{5}$
9) Jake ran $3\frac{1}{2}$ miles Saturday and $4\frac{5}{6}$ miles Sunday. How far did he run over the weekend?		10) Three sixth grade classes had a pizza party. They ate $4\frac{3}{4}$, $5\frac{1}{6}$ and $6\frac{3}{8}$ pizzas. How much pizza did they eat altogether?	

SUBTRACTING FRACTIONS

1) $8\frac{1}{2}-4\frac{1}{5}$

2) $6\frac{3}{4}-2\frac{1}{8}$

3) $5\frac{3}{5}-1\frac{1}{3}$

4) $10\frac{4}{5}-3\frac{1}{2}$

5) $9\frac{7}{8}-\frac{2}{3}$

6) $15\frac{9}{10}-4\frac{5}{8}$

7) $8\frac{2}{3}-5\frac{1}{5}$

8) $4\frac{5}{6}-1\frac{1}{8}$

9) You cut a $2\frac{1}{3}$ foot section from an $8\frac{1}{2}$ foot long piece of wood. How much is left?

10) Wayne ran $3\frac{1}{2}$ miles out of a $9\frac{2}{3}$ mile race. How much further does he have left to run?

MULTIPLYING FRACTIONS

1) $\frac{2}{5} \cdot \frac{7}{10}$	2) $\frac{2}{3} \cdot 8$	3) $\frac{5}{6} \cdot \frac{1}{2}$	4) $10 \cdot \frac{4}{5}$
5) $3\frac{1}{2} \cdot 4$	6) $6\frac{1}{8} \cdot 2\frac{1}{2}$	7) $4\frac{2}{3} \cdot 6\frac{1}{4}$	8) $5\frac{1}{2} \cdot 5\frac{1}{2}$
9) $8\frac{1}{3} \cdot 2\frac{1}{4}$	10) $3\frac{3}{5} \cdot 6\frac{1}{5}$	11) $9\frac{1}{2} \cdot 1\frac{7}{10}$	12) $8 \cdot 2\frac{1}{2}$

13) You ran $4\frac{1}{2}$ times around a $2\frac{1}{4}$ mile track. How far did you run?

14) A car drove $5\frac{3}{5}$ times around a $2\frac{1}{8}$ mile track. How far did the car travel?