Name _Answers_   Date_____

Whole Numbers Math – Word Problems, Mixed Operations

Read each question carefully. Decide which operation to use, then answer the question.

1) Betty went roller skating for 127 minutes on Tuesday. On Wednesday, she skated for 194 minutes. How many minutes did Betty skate on those two days?
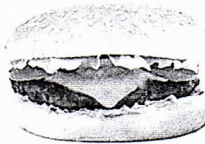
Operation: _Add_

$$\begin{array}{r} 127 \text{ minutes} \\ +\ 194 \text{ minutes} \\ \hline 321 \end{array}$$

Answer: 321 minutes

2) George baked 72 cookies. If he puts 8 cookies in a bag, how many bags can he fill?

Operation: _Divide_

"8 into 72"

$$8\times72$$

$$72\div8=\boxed{9}$$
$$\boxed{9}\times8=72$$

$$72\times8$$

or $8\overline{)72}^{\,9}$

$72 \text{ cookies} \times \dfrac{1 \text{ bag}}{8 \text{ cookies}}$
$= 72\times1\div8$

Answer: 9 bags

3) Lon figured he could make 4 burgers from a pound of meat for the neighborhood picnic. How many burgers could he make from 12 pounds of meat?

Operation: _Multiply_

4×12 or 12×4

$12 \text{ pounds} \times \dfrac{4 \text{ burgers}}{1 \text{ pound}}$

$= 12\times4\div1$

$$\begin{array}{r} 12 \\ \times\ 4 \\ \hline \end{array}$$

Answer: 48 burgers

4) There are 48 people in a room. If they will be split up into groups of 6 people, how many groups will there be?

$48 \text{ people} \times \dfrac{1 \text{ group}}{6 \text{ people}}$

Operation: _Divide_ $48\times1\div6$

$$48\div6=\boxed{8}\quad 6\overline{)48}$$
$$\boxed{8}\times6=48$$

or "6 into 48"

$6\overline{)48}^{\,8}$

Answer: 8 groups

5) Mrs. Francis, the science teacher, had 286 textbooks. After handing out 132 books, how many books did she have left?

Operation: _Subtract_

$$\begin{array}{r} 286 \\ -\ 132 \\ \hline \end{array}$$

Answer: 154 books

6) The ticket price for a movie is $9.50. A bag of popcorn costs $3.75. How much money would you spend if you bought a movie ticket and a bag of popcorn?

Operation: _Add_

$$\begin{array}{r} 9.50 \\ +\ 3.75 \\ \hline \end{array}$$

Answer: $13.25

or

13 dollars and 25 cents

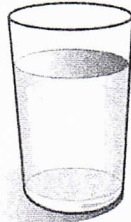7) Sheila drinks 8 glasses of water per day. How many glasses of water will she drink in 28 days?

Operation: _Multiply_

8×28 or 28×8

$$\begin{array}{r} {}^{6}28 \\ \times\ 8 \\ \hline \end{array}$$

Answer: 224 glasses

$28 \text{ days} \times \dfrac{8 \text{ glasses}}{1 \text{ day}}$

$= 28 \times 8 \div 1$

8) Brenda needs to cut a cake into 42 pieces. If she can cut each row into 7 pieces, how many rows will she need?

Operation: _Division_   "7 into 42"

~~7 × 42~~ $42 \div 7 = \square$ or $7\overline{)42}$

$\boxed{6} \times 7 = 42$

$42 \text{ pieces} \times \dfrac{1 \text{ row}}{7 \text{ pieces}}$

$= 42 \times 1 \div 7$

Answer: 6 rows

9) Last semester Mr. Clark had 168 students. This semester he has 143 students. How many fewer students does he have this semester?

Operation: _Subtract_

$$\begin{array}{r} 168 \\ -143 \\ \hline \end{array}$$

Answer: 25 students

10) Ms. Smith has 159 students. Mr. Clark has 143 students. How many students do they have combined?

Operation: _Add_

$$\begin{array}{r} {}^{1\ 1}159 \\ +143 \\ \hline 302 \end{array}$$

Answer: 302 students

11) Pat took a group of friends to a buffet dinner. If the cost for each person is $18, how much does it cost for 6 people?

Operation: _Multiply_

18×6 or 6×18

$$\begin{array}{r} {}^{4}18 \\ \times\ 6 \\ \hline \end{array}$$

$6 \text{ people} \times \dfrac{\$18}{1 \text{ person}}$

$= 6 \times 18 \div 1$

Answer: $108

or 108 dollars

12) In the last two days, Marcus has ridden 329 miles on his bicycle. If he rode 150 miles yesterday, how many miles did he ride today?

Operation: _Subtract_

$$\begin{array}{r} {}^{2}\cancel{3}{}^{12}\cancel{2}9 \\ -150 \\ \hline 179 \end{array}$$

Answer: 179 miles