1. Mary and Julia are twins. They invited 28 friends to their birthday party. Mary wrote 3 time as many invitation cards as Julia did. How many cards did Julia write?

2. A cow weighs 20 times as much as sheep weights.

Together the cow and the sheep weight 2100 lb . How many pounds does the sheep weight? How many pounds does the cow weight?
3. There are 93 students in the $1^{\text {st }}, 2^{\text {nd }}$ and $3^{\text {rd }}$ grades altogether.

The number of students in the $1^{\text {st }}$ and $2^{\text {nd }}$ grades is 62 , and in $2^{\text {nd }}$ and $3^{\text {rd }}$ grades is 64 . How many students are there in each grade?
4.
$\frac{2}{5}+\frac{1}{5}=$
$\frac{7}{9}-\frac{4}{9}=$
$\frac{1}{2}+\frac{1}{4}=$
$\frac{5}{9}+\frac{1}{9}=$
$\frac{3}{8}+\frac{1}{2}=$
$\frac{9}{12}-\frac{2}{3}=$
5. Replace the addition with multiplication:

Example:

| 14 | + | 1 | 4 | + | 1 | 4 | $+$ | 1 | 4 | $4=$ | 4 | $\times$ | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
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| $x+$ | $x$ | + | $x$ | - | 3 | $\times$ | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

a. $35+35+35+35+35$;
b. $120+120+120+120$
c. $a+a+a+a+a+a+a+a$;
f. $82+82+\ldots+82 ;$

100times
$\underbrace{15+15+\ldots+15} ;$
100times
d. $x+x+x+x+x$;
e. $82+82+\ldots+82$;

10 times
g.
h. $\underbrace{a+a+\ldots+a_{0}}_{n \text { times }}$
6. Table in the picture on the right should be filled by the numbers $1,2,3,4$, and 5 in such a way that no number can be put more than once in any row, column or diagonal. What number should be in the middle cell?
7. Compare without doing calculations (put $<,>$, or $=)$ :
a. $2453+235$ $\qquad$ $2453+236$
b. $2341-123-2341-122$
c. $234 \times 123-234 \times 122$
d. $456 \div 4-456 \div 3$
e. $a \div 4 \quad a \div 3$
f. $b+235-b+236$
8. Calculate by the most convenient way:
a. $2608+529+392+271=$
b. $1016+704+250+884+296=$

