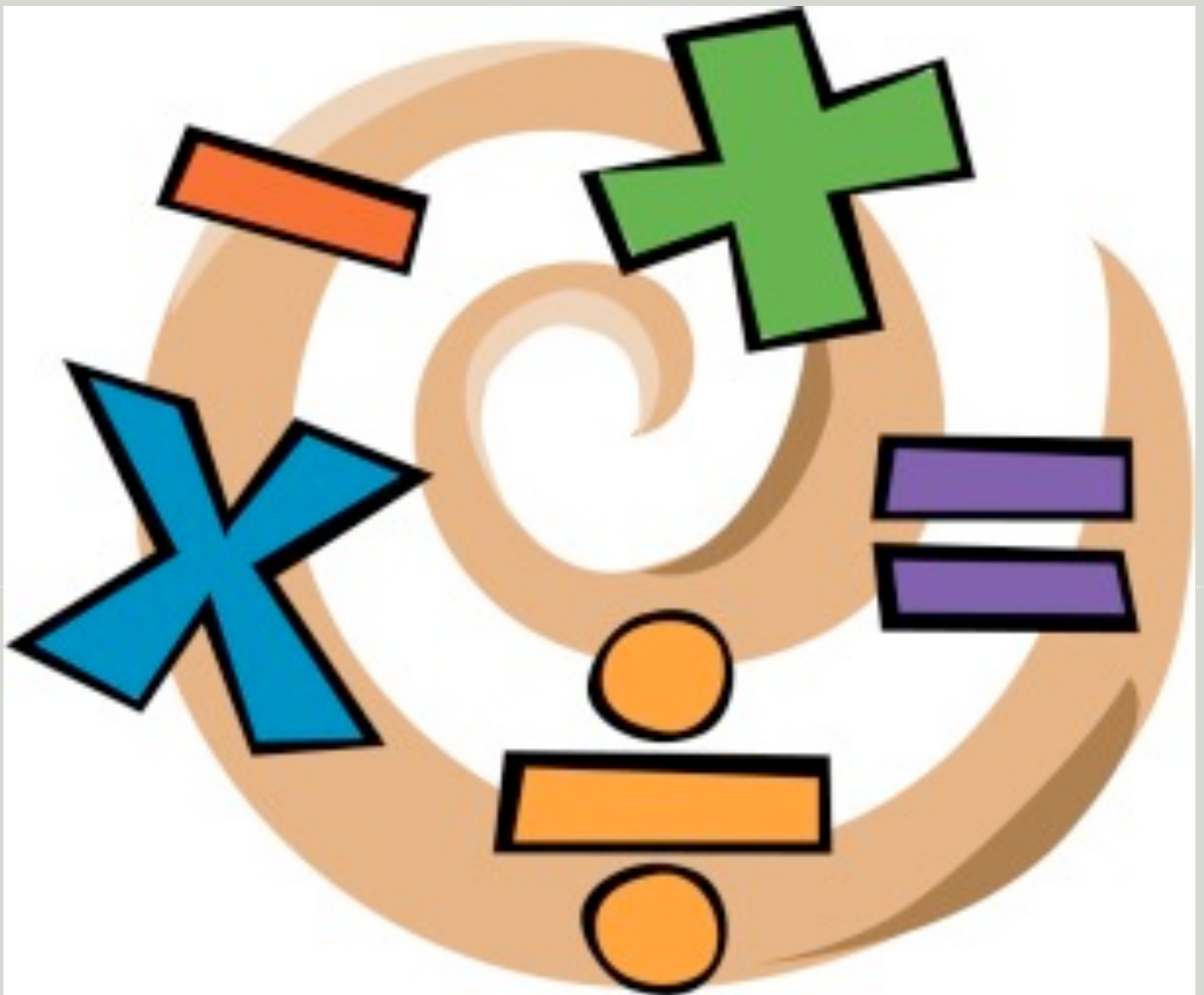


# NINA'S PROBLEM SOLVING BOOK



## Multiplication problems

1. Tilly had 4 bags of ice-cream. Each bag had 3 bars of ice-cream. How many ice-cream bars dose she have?



2. Eva had 15 bags of apples. Each bag had 3 apples. How many apples dose she have?



3. Nina had 20 bags of oranges. She had 10 orange's in each bag. How many oranges dose she have?



4. Sydney had 19 bags of candy. She had 5 candy's in each bag. How much candy dose she have?



5. Sophie had 12 pictures. Each picture had 2 little pictures in it. How many little pictures dose she have?



6. Kostadina had typed 20 words. Each word has 5 letters. How many letters did she type?

WORDS

THERE

7. Sydney had 6 bags of ice-cream. She had 12 jars in each bag. How much ice-cream dose she have?



8. Grace had 12 costumes. Each costume had 2 parts. How many parts dose she have?



## Division problems

1. Tilly had 20 apples. She put an equal amount of apples in 4 bags. How many apples are in each bag?



2. Brooke had 15 candy bars . She put an equal amount of candy in 3 bags. How many candy bars are in each bag?



3. Sydney had memorized 2 Chinese words. Both of them together had 12 letters. How many letters could each word have if they had the same amount?

福

4. Nina had 16 cookies. She put an equal amount of cookies in 4 bags. How many cookies dose she have in each bag?



5. Ella had 20 bags of chocolates. She put an equal amount of chocolates in 4 bags. How many chocolates are in each bag?



6. Eva had 14 banana's. She put an equal group of banana's in 2 bags. How many banana's are in each bag?



7. Ella had 12 ice-cream jars. She put an equal amount of ice-cream in 4 bags. How many ice-cream jars are in a bag?



8. Noorie had 15 friends. She grouped them in to 3 equal groups. How many friends are in each group?



## Multi step word problems

1. Nina had 20 cakes. She ate 15 cakes. Then bought 20 more cakes. How many cakes dose she have?



2. Sydney had 30 brownies. She ate 25 brownies. Then bought 10 more brownies. How many brownies dose she have?



3. Grace had 15 cakes. She ate 10 cakes. Then bought 100 more cakes. How many cakes dose she have?



4. Noorie had 20 toys. She gave 15 toys away. Then bought 50 more. How many toys dose she have?



5. Kostadina had 20 notebooks. She used up 10 notebooks. Then bought 15 more notebooks. How many notebooks dose she have?



6. Morgot had 20 water bottles . She drinks 6 water bottles. Then filed up 10 more water bottles. How many water bottles dose she have?



7. Eva had 30 friends. 10 friends were not there in the beginning of the day. Then 5 friends came in late. How many friends are there?



8. Nina had 12 cupcakes. She ate 10 cupcakes. Then bought 6 more cupcakes. How many cupcakes dose she have?



## Fraction problems

1. Nina had a cake. She gave  $\frac{1}{3}$  of it to Sydney. Nina had  $\frac{1}{2}$ . Who has more?



2. Sydney has a candy bar. She shares it with Sophie. Sophie gets  $\frac{1}{2}$  of it. Sydney gets  $\frac{1}{12}$  of it. Who has more?



3. Sophie had cupcake. She shared it with Nina. Nina got  $\frac{1}{12}$ . Sophie got  $\frac{1}{11}$ . Who has more?



4. Ella had a Chocolate bar. She shared it with Sophie. Sophie got  $\frac{1}{5}$ . Ella got  $\frac{1}{3}$ . Who has more?



5. Noorie drinks  $\frac{1}{3}$  of her water bottle at lunch. At dinner She drinks  $\frac{1}{12}$ . Which time of the day did she drink more?



6. Nina ate  $\frac{1}{9}$  of her cake secretly. Then she ate  $\frac{1}{10}$  of her cake with her mom noticing. When did she eat more?



# Answer key

## Multiplication

1. 12
2. 45
3. 200
4. 95
5. 24
6. 100
7. 72
8. 24

## Division

1. 5
2. 5
3. 6
4. 4
5. 5
6. 7
7. 3
8. 5



## Multi-step

1. 25
2. 15
3. 105
4. 55
5. 25
6. 16
7. 25
8. 8

## Fraction

1.  $\frac{1}{2}$
2.  $\frac{1}{2}$
3.  $\frac{1}{11}$
4.  $\frac{1}{3}$
5.  $\frac{1}{3}$
6.  $\frac{1}{9}$