

Design Dream



Team Members :

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Design Dream, design our dream

First, we conducted a market survey, and analyzed that most children like their cars in the shape of animals and cartoon characters. So we decided to incorporate HAIBAO, the 2010 World Expo mascot, into our car.

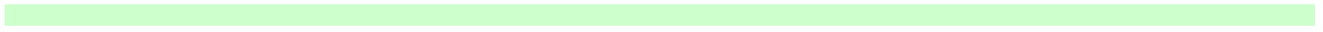
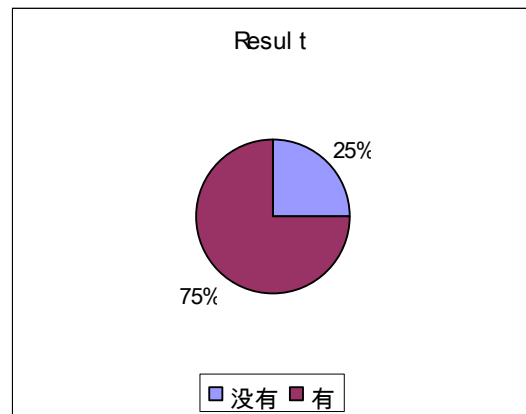
The next step is the selection and assembly of gears. With the teacher's suggestions, we watched some video material, and decided to design a car capable of climbing slopes. In the beginning, we chose a gear ratio of 81:1, but it failed our tests. We thus began trying gear ratio of 225:1. We still met many difficulties during testing but overcame them through efforts, such as: re-installing the driven wheel, scraping the excessive wax, using adhesive tape to prevent the slipping of wheels

At the end, all issues were resolved with our efforts. Our

car works!

Did you get toy cars for gift
last year?

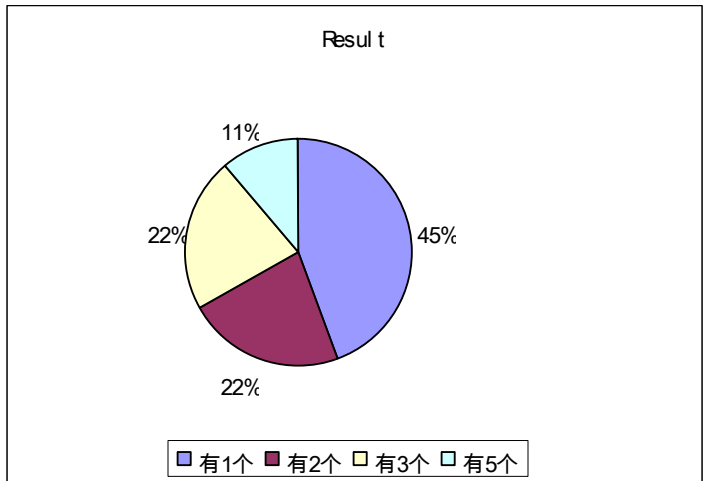
No	3	25%
Yes	9	75%



How many you

toy cars you got

1	4	45%
2	2	22%
3	2	22%
5	1	11%

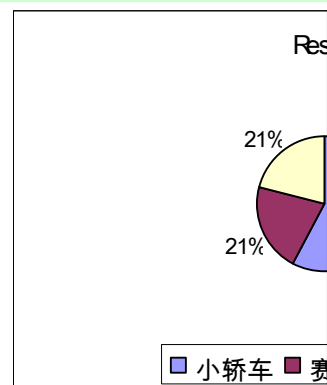


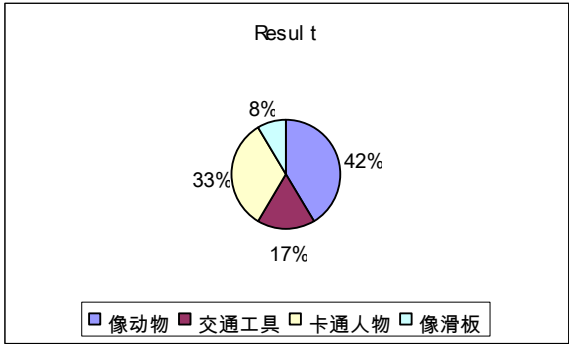
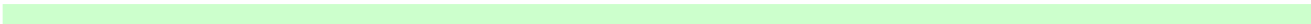
Toy car type

Car	11	58%
Racing car	4	21%
Electric car	4	5%

Favorite toy car shape

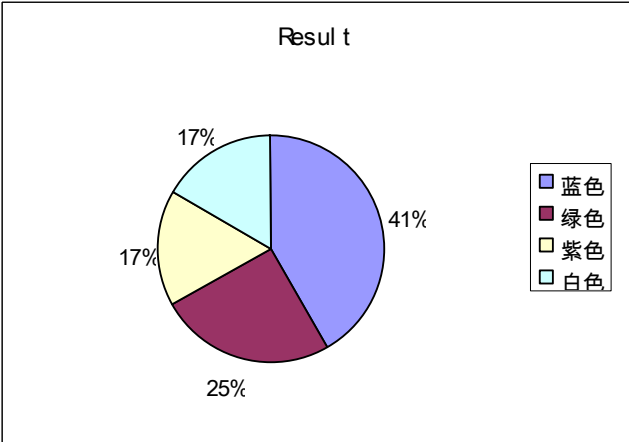
Animal	5	25%
Transport	2	42%
Cartoon	4	8%
Skateboard		
shape	1	8%





Favorite car color

Blue	5	25%
Green	3	20%
Purple	2	15%
White	2	5%



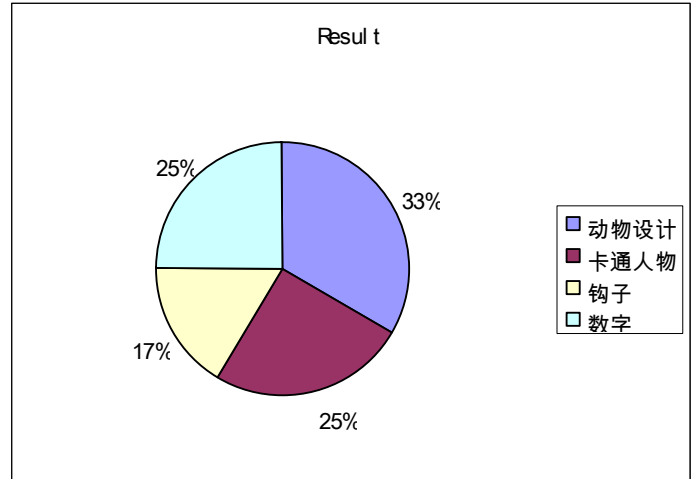
Favorite car design

Animal design 4 23%

Cartoon design 3 23%

Hook design 2 8%

Digital design 3 8%



Run fast 2 17%

Climb 10 83%

