

Part One)

Question One:

The seek time, rotate time and transfer time are 40, 275 and 60 respectively.

The total time is 375.

Question Two:

The seek time, rotate time and transfer time are 160, 545 and 90 respectively.

The total time is 795.

Question Three:

In order to minimize the total time taken, the order should be 7, 8 and then 30.

Question Four:

The seek time, rotate time and transfer time are 80, 205 and 90 respectively.

The total time is 375.

Part Two)

Part Three)

Question 5:

```
mkdir("/s");
```

Question 6:

```
create ("/g");
```

Question 7:

Write 'n' to "/g"

Question 8:

```
inodes bitmap 11100000
inodes[d a:0 r:2][f a:1 r:1][ ][ ][ ][ ][ ][ ][ ][ ]
data bitmap 11000000
data[(.,0) (.,0) (h,1)][z][ ][ ][ ][ ][ ][ ][ ][ ]
```

Question 9:

```
inode bitmap 11100000
inodes [d a:0 r:3][d a:1 r:2][f a:-1 r:2][][][][][]
data bitmap 11000000
data [(.,0) (.,0) (t,1)][(.,1) (.,0)] (e,2)[][][][][][]
```