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- Enter pass code CC3116D for Activity Pages.



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NAME
$\mathbf{1}^{\boldsymbol{+}} \mathbf{2}$ Task Sheet

## Task Sheet 11

11) The following are the Top Ten most visited Internet sites.
```
1) Yahoo Sites
2) Time Warner Network
3) Microsoft Sites
4) Google Sites
5) eBay
6) Fox Interactive Media
7) Amazon Sites
8) Ask Network
9) Wikipedia Sites
10) New York Times Digital
```

a) Represent this information in the circle graph provided below.

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Data Analysis \& Probability - Task \& Drill Sheets CC3316


| Jessica's time $=28.15 \mathrm{~min}$ | Arthur's time $=27.40 \mathrm{~min}$ | Dominic's time $=27.50 \mathrm{~min}$ |
| :--- | :--- | :--- |
| Miguel's time $=27.45 \mathrm{~min}$ | Chelsea's time $=29.01 \mathrm{~min}$ | Ariel's time $=27.55 \mathrm{~min}$ |
| Carla's time $=29.23 \mathrm{~min}$ | Leigh's time $=28.15 \mathrm{~min}$ | Ella's time $=29.03 \mathrm{~min}$ |
| Won's time $=28.67 \mathrm{~min}$ | Tim's time $=27.63 \mathrm{~min}$ | Tia's time $=27.83 \mathrm{~min}$ |

i) Who had the fastest time in this group? ii) Who had the slowest time in this group? iii) What is the range of times in this group? iv) What was Dominic's average time per mile ( v) What was Leigh's average time per mile (km
vi) How much faster was Won than Chelsea?
vii) What was the average time of Miguel, Dominicwand Arthur?
viii) What was the mode of the race times?
ix) How much slower was Jessica than Miguel?
x) What was the average time of Miguel and Tim?
xi) Who was 1.08 minutes fastert than carla?
xii) Who was five hundredths of a minute slower than Dominic?
xiii) How much faster was tim than Ha?
xiv) Which student came insecond place in these results?
xv ) Which student Came in fifth place in these results?
xvi) Who was 0.02 minutes faster than Ella?


Use a graphing program online or on your computer to graph the results of this race.

NAME:

## Drill Sheet 2

An outlier is a number that is significantly different from the rest of the grouping of numbers.

The following goals were scored at a basketball game
The goals were scored at $1: 56,2: 18,2: 35,3: 19,4: 12,4: 48,1: 56$

a) What is the mode?
b) What is the median?
c) What is the range?
d) What is the mean?
e) Which time is the outlier?
f) Calculate the mean, median, range, and mode without the outlier. Mean
Median
Mode
Range
g) Explain how excluding the outlier changes the data. Is it a significant change. Why or why not?
h) How can you explain the outlier?
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NAME: $\qquad$ $\checkmark$ Review Sheet

Review B
a) The graph below shows the number of students who play different instruments in the Carroll School band.

iii) What instrument is played by the greate
of sixth and seventh graders?
iv) What instrument is played by the leasf number
of sixth and seventh graders?
v) What instrument is played by an equat number
of sixth and seventh graders?
vi) How many more seventh graders play trombone
than sixth graders?
vii) Which instrument is played by twice as
many seventh graders ds sixith graders?
viii) Which instrument isplayed by more sixth graders than seventh grade
ix) What fraction of the sixth graders play clarinet?
x) What fraction of the seventh graders play saxophone?
xi) What is the ratio of sixth grade flute players to
sixth grade drum players?
xii) What is the ratio-of seventh grade clarinet players to seventh grade trumpet players?
xiii) What percent of the sixth graders play drums?
xiv) What bercent of the seventh graders play trumpet?
xv) What percent of the total sixth and seventh graders play flute?
xvi) What percent of the total sixth and seventh graders play saxophone?
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## Probability

As a class or in small groups, roll 2 dice 12 times and record your results below. a) List the 2 -dice combinations you rolled below.

| 1. |
| :--- |
| 4. |
| 7. |
| 10. |
| 10 |


b) For each 2-dice combination listed above, list the otherdifferent 2-dice combinations you could role to get that same total.

c) For each 2-dice combination listed in section a), list the probability of rolling the total number using any 2 dice

d) List the probability of rolling the following totals with 2 dice.

2.
5.
8.
11.

1. $\qquad$
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(58)
 $\qquad$

4a) The pie chart below represents the percent of votes four candidates received in a mayor's race.
Ex: If 3,600 people voted, how many votes did Caleb Wallace and Samuel Owens receive? $3,600 \times 0.5(50 \%)=1800$ votes

i) Which candidate won the mayoral race?
ii) Which candidate came in last?
iii) What two candidates tied in the race?
iv) Who received about 40 percent of the vote?
v) Alice Jenkins received a little under twice as many votes as which two candidates?
vi) Which candidate received one-fifth of the vote that Alice Jenkins received?
vii) What fraction of the vote did Alice Jenkins receive?
 receive?
xii) If 3,600 people voted, how many votes did Alice Jenkins receive?
xiii) If 3,600 people voted, how many votes did Samuel Owens receive?
$\qquad$

If 3,600 ?
xiv) If 3,600 people voted, how many votes did Tom Quincy receive?
$\qquad$
$\qquad$
$x v$ ) The percent of votes Tom Quincy received in this election doubled from the previous election. What percent of the vote did he receive in the previous election? $\qquad$
xvi) Alice Jenkins percent of the vote also doubled since the last election? If the trend continues, what percent of the vote will she receive in the next election?

