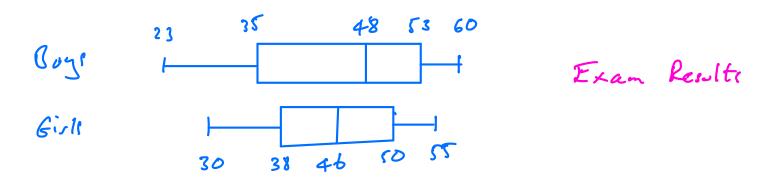
## **Comparing Distribution**



On average the boys performed slightly better than the girls. Their median score um 48 compared to the sirls median of 46.

The girls results were more consistent than the boys. They had an IDR of 12 (50-38) compared to the boys' IRR of 18 (53-35)

## Multipliers

Colin is

Bill is 20% taller than Alan. Colin
is 10% taller than Bill.
How many percent taller than Alan is Colin.

Let Alan be  $\propto$  on fall

Bill is  $\propto \times 1.20$ 

 $(x \times 1.2) \times 1.1$ 

= >(x 1.32

## Colin is 32% talks than Alan

B is 25% heavier than A C is 10% lighter than B

How many percent heavier than A is C

Let A =x

 $z \propto x 625$ 

 $= \times \times 1.25 \times 0.9$ 

C = x x 1.152

C is 12 % 6 heavier than A

Exercice

Y is 40% heavier than X

Z is 15% heaver than Y

By what percentege is Z heaver than X

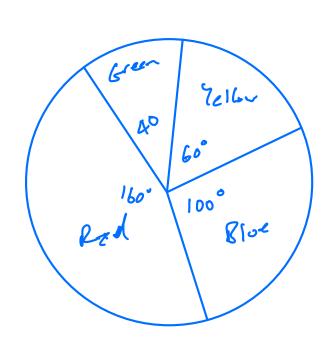
Let x = x 4 = x x 1.4

$$Z = \times \times 1.4 \times 1.15$$

$$Z = \times \times 1.61$$

$$Z is 61% heavier than X$$

## Pie Chart



180 curs

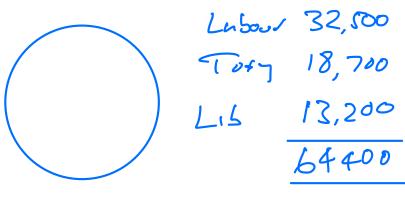
How many of each colour

Yellow = 
$$\frac{60}{360}$$
 × 180 = 30

Rue =  $\frac{100}{360}$  × 180 = 50

Red =  $\frac{160}{360}$  × 180 = 80

Green  $\frac{40}{360}$  × 180 = 20



Labor angle = 
$$\frac{32500}{64600} \times 360 = 182^{\circ}$$
  
Tory and  $\frac{18700}{66400} \times 360 = 105^{\circ}$ 

Lib = 13200 x 300 = 74° 361° Could sound 182 down to 181°