(1):  
Avg. FT = 
$$\frac{1}{1000} = \frac{369}{1000} = \frac{369}{1000} = \frac{320}{1000} = \frac{320}$$

(2): Cost for 
$$\cos cos = Avg. FT \times Comping valle \times Unit cost.$$

$$= 32 \times 0.4 \times 50 = $1.75$$

Cost for Walmort = Ayg. FT x carrying rate x conficost
$$= \frac{2949}{215493} \text{ yr x } 60\% \text{ x50} = $2.73.$$

$$D = 1000 \times 12 = 12000 \text{ unifc}$$

$$R = $25 \text{ per order.}$$

$$2 \text{ for cost} = $2.5$$

$$Ch = 25\% \times 2.5 = $0.625 \text{ per armum}$$

$$Q = \sqrt{2kD} = 980 \text{ unifs}$$

$$D = 6000$$

(2):

Annual holding cost = (Q/2)+Cn.

=\$306.25.

Annual ordering cost = (D/Q)XX

=\$306.12.

Annual purchasing cost = DXC

= (2000x) -5 = \$30000

3): Queler Gircle = Q/Daily average demand

= 980/(12000/365) = 29.8 days

(4):

$$R = D + L = 1000 \times \frac{11}{365} \times 5$$
 $= 165 \text{ units}$ 
 $= 165 \text{ units}$ 

Annual holding  $\cos f = (0.2) \times Ch$ 
 $= 1600/2) \times 0.625 = 4300$ 

Annual ordering  $\cos f = 0.5 = 4300$ 

The total relevant annual  $\cos f$ 
 $= 312.5 + 300 = 4612.5$ 

For  $Q = 980$ , if was  $306.25 + 306.12 = 4612.3$ 

I difference:  $612.5 - 612.3$  =  $40.13$ 

part 4 is a little more expensive than part.