⇒ Project Plan

write : $\frac{3+4}{2} = 3.5 \simeq 4$; $\frac{150}{4\times8} = \frac{4.6875}{1} \simeq 4.7$

prep $\frac{5+4}{2} = 4.5 \simeq 5$; $\frac{150}{5\times8} = 3.75$

review : $\frac{5+8}{2} = 6.5 \simeq 7$; $\frac{150}{7\times8} = 2.68$

rework : $\frac{4+6}{2} = 5$; $\frac{108}{5\times8} = \frac{2.7}{1} = 2.7$

Amt. of work:

P1 : $\frac{22\times1000}{31} = 709.6 \simeq \frac{710}{2}$ ⇒ $\frac{710+734}{2} = 722 \Rightarrow 722\times0.15$

P2 : $\frac{99\times1000}{135} = 733.3 \simeq 734$ $= 108$

⇒ Software Dev

procu : $\frac{82}{4\times8} = \frac{2.562}{1} \simeq 2.6$

prep : $\frac{82}{5\times8} = 2.05$

review : $\frac{82}{8\times8} = 1.281$

rework : $\frac{91}{5\times8} = \frac{2.275}{1} = 2.275$

⇒ Requirements

write : $\frac{5+3}{2} = 4$; $\frac{210}{4\times8} = \frac{6.562}{3} = 2.187$

Prep : $\frac{18+5}{2} = 11.5 \simeq 12$; $\frac{210}{12\times8} = 2.187$

review : $\frac{28+8}{2} = 18$; $\frac{210}{18\times8} = 1.458$

rework : $\frac{10+5}{2} = 7.5 \simeq 8$; $\frac{240}{8\times8} = \frac{3.75}{3} = 1.25$

Amount of work

P1: $\frac{136 \times 1000}{112} = 1215$

P2: $\frac{413 \times 1000}{387} = 1062$

$\frac{1215 + 1062}{2} = 1139 \times 0.21$

$= 240$

⇒ Build Dev.

server : $\frac{12}{1} = \frac{12}{4} = 3$

client : $\frac{21}{5} = \frac{4.2}{3} = 1.4$

Build : $\frac{12}{1 \times 8} = \frac{1.5}{1} = 1.5$

Test case : $\frac{5}{2} = \frac{2.5}{2} = 1.25$

Simulation : $\frac{8}{2} = \frac{4}{2} = 2$

⇒ Analysis

write : 5 ; $\frac{172}{5 \times 8} = \frac{4.3}{2} = 2.15$

prep : 4 ; $\frac{172}{4 \times 8} = 5.375$

review : 9 ; $\frac{172}{9 \times 8} = 2.388$

rework : 6 ; $\frac{321}{6 \times 8} = 6.687 \cong \frac{6.7}{2} = 3.35$

Amount of work

$\frac{123 \times 1000}{66} = 1863 \times 0.172 = 321$

⇒ Design

write : $\frac{5+4}{2} = 4.5 \cong 5$; $\frac{220}{5 \times 8} = \frac{5.5}{2} = 2.75$

Prep : $\frac{4+5}{2} = 4.5 \cong 5$; $\frac{220}{5 \times 8} = 5.5$

review : $\frac{8+8}{2} = 8 \cong 8$; $\frac{220}{8 \times 8} = 3.05$

rework: $\frac{6+6}{2} = 6$; [illegible]

Amount of work: $\frac{296}{6\times8} = \frac{6.17}{2} \approx 3.1$

P1: $\frac{188\times1000}{89} = 2113$

P2: $\frac{509\times1000}{234} = 2176$

$\frac{2113+2176}{2} = 2143 \times 0.22$

$= 472$

DM

write: $\frac{0.25+1}{2} = 0.625 \cong 1$; $\frac{220}{4\times8} = \frac{27.5}{3} = 9.166$

prep: $\frac{4+4}{2} = 4$; $\frac{220}{4\times8} = 6.875$

review: $\frac{5+10}{2} = 7.5 \cong 8$; $\frac{220}{8\times8} = 3.437$

rework: $\frac{6+6}{2} = 6$; [illegible] $\frac{524}{6\times8} = \frac{10.916}{3}$

$= 3.64$

Amount of work

DP: $\frac{88\times1000}{28} = 3143$

P2: $\frac{378\times1000}{62} = 6097$

$\frac{3143+6097}{2} = 4620 \times 0.064 = 296$

DMP1: $\frac{28\times1000}{89} \cong 315$

P2: $\frac{62\times1000}{234} \cong 265$

$\frac{315+265}{2} = 290 \times 0.22 = 64$

⇒ Coding:

write: $\frac{5+5}{2} = 5$; $\frac{3800}{5\times8} = \frac{95}{5} = 19$

prep/exe: $\frac{1.25+5}{2} = 3.125 \cong 3$; $\frac{335}{8} = [illegible] \frac{112}{4} = 28$

fix: $\frac{8+12}{2} = 10$; $\frac{266}{10} = \frac{26.6}{4} = 6.65$

test: $\frac{12+8}{2} = 10$; $\frac{266}{10} = \frac{26.6}{4} = 6.65$

prep: $\frac{113+90}{2} = 101.5 \cong 102$; $\frac{3800}{102\times8} = 4.66$

meeting: $\frac{189+135}{2} = 162$; $\frac{3800}{162\times8} = 2.932$

rework: $\frac{5+5}{2} = 5$; $\frac{334}{5\times8} = [illegible] \frac{8.425}{5} = 1.685$

Amount of work

Dip

P1: $\frac{256 \times 1000}{3800} = 67.36 \cong 68$

P2: $\frac{1045 \times 1000}{9725} = 107.45 \cong 108$

$\frac{68+108}{2} = 88 \times 3.8 = 335$

fix, test

P1: $\frac{179 \times 1000}{3800} = 47.105 \cong 48$

P2: $\frac{902 \times 1000}{9725} = 92.75 \cong 93$

$\frac{48+93}{2} = 70 \times 3.8 = 266$

rework :

P1: $\frac{188 \times 1000}{3800} = 49.47 \cong 50$

P2: $\frac{1230 \times 1000}{9725} = 126.47 \cong 127$

$\frac{50+127}{2} = 88.5 \times 3.8 \cong 337$

⇒ Testing :

write : $\frac{205}{8} = \frac{25.625}{4} = 6.406$

Prep : $\frac{205}{5 \times 8} = 5.125$

review : $\frac{205}{10 \times 8} = 2.562$

rework : $\frac{101}{4 \times 8} = \frac{3.156}{4} = 0.789$

execute : $\frac{194}{8} = \frac{24.25}{4} = 6.06$

fix : $\frac{113}{5} = \frac{22.6}{4} = 5.65$

test : $\frac{113}{10} = \frac{11.3}{4} = 2.825$

⇒ Documentation :

User : $\frac{4+6}{2} = 5$; $\frac{177}{5 \times 8} = \frac{4.425}{2} = 2.212$

prep : $\frac{5+4}{2} = 4.5 \cong 5$; $\frac{177}{5 \times 8} = 4.425$

review : $\frac{7+7}{2} = 7$; $\frac{177}{7 \times 8} = 3.16$

rework : $\frac{6+9}{2} = 7.5$; $\frac{237}{8 \times 8} = \frac{3.71}{2} = 1.85$

Amount of work

P1 : $\frac{174 \times 1000}{134} \cong 1299$

P2 : $\frac{532 \times 1000}{389} \cong 1368$

$\frac{1299 + 1368}{2} = 1334 \times 0.177$

$= 237$