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270.  $x = 6$   
271.  $x = 5$   
272. Printing = \$36 000  
Paper = \$18 000  
Covers = \$9000  
Total cost = \$63 000  
273.  $x = 20$   
274. By 2400 books.

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275. 4.8 kg  
276. 42 kg  
277. 10 days  
278. 20 days  
279. 8 days  
280. Uses an additional 300 L  
(1800 L in total).

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281. 4.2 ohms  
282. 16 km/h  
283. 22 500 baht  
284. \$500  
285. 104.2 cm (1 dp)  
286. \$51.46  
287. 2700 L  
288. 1250  
289. a) 33.3 g (1 dp)  
b) 1 kg  
c) 375 ml  
d) 187.5 g

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290. 1.6 hours  
291. An extra 12 tradesmen  
(27 in total)  
292. For 33 days (33.3)  
293. 11.7 minutes  
294. 33.75 m  
295. 7.5 minutes  
296. \$778 000 (3 sf)  
297. 63 cm

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298. a) 7.5 seams/minute  
b) 337 or 338 seams (337.5)  
c) 133.3 minutes (1 dp)  
299. a) \$14.75 per hour  
b) \$3156.50  
c) 340 hours  
300. a) 427.5 km  
b) 26.39 m/s  
c) 3.8 seconds (1 dp)  
301. a) 18.7 minutes  
b) 38.9 hours  
c) 900 L/h  
302. a) 25 kg/h  
b) 23.3 kg/h  
303. a) 0.354 cm/h  
b) 23 days 13 hours  
304. a) 12 days  
b) 1.2 days  
c)  $\frac{12}{x}$  days  
305. a) 7.5 hours  
b) 4 hours  
c)  $\frac{60}{x}$  hours

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306. a) 12.5 days  
b) 22.1 days  
307. a) 2 days  
b) 3.6 days  
c) 15 people  
308. a) 50 days  
b) 65 days  
c) 45 people  
309. a) 0.75 m track/worker/day  
b) 26.7 days  
c) 100 workers  
310. a) 200 seconds  
b) 54 km/h  
c) 63 km/h  
311. 4.8 hours  
312. 4.5 hours

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313. 25  
314. 21

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315. 4  
316. 64  
317. 17  
318. 60  
319. 168  
320. 168  
321. 98  
322. 540  
323. 288  
324. 24  
325. 35  
326. 177  
327.  $1\frac{1}{24}$   
328.  $\frac{1}{2}$   
329.  $\frac{17}{25}$   
330.  $\frac{27}{70}$   
331. 2  
332.  $\frac{73}{120}$   
333. 44  
334. -27  
335.  $\frac{2}{5}$  (0.4)  
336.  $2\frac{5}{14}$  (2.357 (3 dp))  
337.  $\frac{3}{20}$  (0.15)  
338.  $\frac{7}{9}$  (0.778 (3 dp))  
339.  $\frac{2}{3}$  (0.667 (3dp))  
340.  $\frac{-1}{32}$  (-0.03125)  
341.  $71 - 6 \times 8 + 7 \times (4 - 4) - 3$   
 $71 - 48 + 7 \times \textcircled{0} - 3$   
 $71 - 48 + 0 - 3$   
 $= 20$   
342.  $9 + 3 - 16 + 5 \times 4 - 2$   
 $9 + 3 - 16 + 20 - \textcircled{2}$   
 $12 - 16 + 20 - 2$   
 $-4 + 20 - 2$   
 $16 - 2$   
 $= 14$

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343.  $\frac{1}{8}$   
344.  $\frac{1}{25}$