

Worksheet

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Problem quickname: 3894

1)Quick:
3894

- a) Peyton and Zaid attend the same kindergarten. Peyton eats lunch there on six days in the week, whereas Zaid eats on five days. For a week, Peyton pays 13.20 Euro. How much does Zaid pay? Answer: Zaid pays 11 Euro, which is 2.20 Euro a day.
- b) A heavy goods vehicle consumes 608 litres of fuel for a distance of 152 km. What distance can it cover with a tank of 844 liters of fuel? Answer: It consumes four litres for one kilometre of driving. With 844 liters of fuel it can therefore go 211 kilometers.
- c) In the juice factory a machine fills the juice into bottles. In ten minutes, 520 bottles are filled. How many bottles are filled in 16 minutes? Answer: They are 832 bottles, as 52 bottles are filled per minute.
- d) Mrs. Lucas paints the walls of her apartment. The walls of the dining room have an area of 68 square meters. Mrs. Lucas gets paint for 75.48 Euro. For how much money does Mrs. Lucas buy paint for the living room with a wall area of 27 square meters? Answer: To renovate the living room, Mrs. Lucas pays 29.97 Euro for the paint. It costs 1.11 Euro to paint a square meter.

2)Quick:
3894

- a) Every morning the school children have to hurry to get to class on time. It takes Josue 16 s to run from the train station to school. He runs six km/h on average. Liana runs two km/h faster on average. How long does it take her? Answer: Liana needs 12 s, with an average speed of eight km/h.
- b) After the carnival celebration in the community center of Alder Moor the carnival club has to mop the floor. On Saturday nine helpers mop the first half of the hall. They need 1.3 hours. On Sunday, three helpers are coming. How long do they need for the other half of the hall? Answer: They need 3.9 hours. One person alone would need 11.7 hours.
- c) The youth of Frenchburg's technical aid organization with 15 members would need 6.3 hours to clean the beach of Frenchburg from oil residues. The mayor Mr. Jimenez is considering to call Polk and ask for help. In total they would then be 45 helpers. How long would the cleanup take then? Answer: It would take 2.1 hours. A single person would need 94.5 hours.

3)Quick:
3894

- a) Skyler and Kenia earn money during the holidays by picking strawberries. Skyler has earned 1218 Euro with 87 hours of work. How much money did Kenia earn with 97 hours of work in the field? Answer: Kenia has earned 1358 Euro. One hour of work pays 14 Euro.
- b) In the supermarket, Mr. Woods can buy nuts by weight. 100 grams of nuts cost 1.90 Euro. For Mr. Woods the scale displays 180 grams. How much does he pay? Answer: Mr. Woods must pay 3.42 Euro.
- c) The Stewart market research institute is commissioned with a telephone survey. All households in Oaktown are called and interviewed by telephone. For this, 42 employees need one hour. The survey is carried out again after half a year with 14 employees. How long does the survey take this time? Answer: It takes three hours. A single employee would need 42 hours to call all households of Oaktown.
- d) In Ivy Street, two identical houses stand side by side. The roof of the left house is covered by 13 roofers in two hours. How long need two roofers for the right house? Answer: They need 13 hours. A roofer alone would need 26 hours.

4)Quick:
3894

- a) In Pinto Avenue, two identical houses stand side by side. The roof of the left house is covered by 22 roofers in one hours. How long needs one roofer for the right house? Answer: They need 22 hours. A roofer alone would need 22 hours.
- b) In the juice factory a machine fills the juice into bottles. In 46 minutes, 3634 bottles are filled. How many bottles are filled in 45 minutes? Answer: They are 3555 bottles, as 79 bottles are filled per minute.
- c) Construction company Harris must mark a section of highway. The manager Mrs. Schultz thinks about how many marking machines she should use. Last year, the marking of an equally large section of highway with two machines took 171 days. This year Mrs. Schultz has 18 machines available. How long will the work take? Answer: It will take 19 days. A single machine would take 342 days.
- d) To print 198 pages with construction drawings a printer takes 9 min 54 s. How long does the printer need for 957 pages? Answer: It takes 47 min 51 s - the printer needs 3 s to print a page.

Good Luck!