Worksheet

<u>1)</u>

   a) In Paradise Avenue, two identical houses stand side by side. The roof of the left house is covered by three roofers in 31 hours. How long needs one roofer for the right house?

   b) The Stewart market research institute is commissioned with a telephone survey. All households in Burnett are called and interviewed by telephone. For this, 28 employees need two hours. The survey is carried out again after half a year with 14 employees. How long does the survey take this time?

   c) In the juice factory a machine fills the juice into bottles. In 34 minutes, 1870 bottles are filled. How many bottles are filled in 15 minutes?

   d) To print 402 pages with construction drawings a printer takes 2 h 40 min 48 s. How long does the printer need for 561 pages?

<u>2)</u>

   a) Mrs. Herrera paints the walls of her apartment. The walls of the dining room have an area of 23 square meters. Mrs. Herrera gets paint for 20.24 Euro. For how much money does Mrs. Herrera buy paint for the living room with a wall area of 38 square meters?

   b) A heavy goods vehicle consumes 3495 litres of fuel for a distance of 233 km. What distance can it cover with a tank of 1305 liters of fuel?

   c) Mr. Day buys apples at the supermarket. 46 apples cost 11.96 Euro. How much are 14 apples?

   d) Everett and Anna earn money during the holidays by picking strawberries. Everett has earned 720 Euro with 90 hours of work. How much money did Anna earn with 33 hours of work in the field?

<u>3)</u>

   a) In Glenbrook Avenue, two identical houses stand side by side. The roof of the left house is covered by one roofer in 23 hours. How long need 23 roofers for the right house?

   b) The youth of Rickhayes's technical aid organization with 14 members would need 3.1 hours to clean the beach of Rickhayes from oil residues. The mayor Mrs. Morales is considering to call Kirklees and ask for help. In total they would then be 62 helpers. How long would the cleanup take then?

c) The supercomputer of the secret service in Radcliff has 34 simultaneously working processors and can decode a secret message in 20 min 19 s. The agency for confidential messages in Kellet has a computer with 53 processors. How long does it take there to decrypt the message?

4)

a) At the sponsored run of Lander the students receive 1.60 Euro for each lap around the sports field for charitable purposes. Watson has run twelve laps more than Jolene. Jolene has earned 25.60 Euro. How much money did both students earn together?

b) Mr. Owens chops wood for the stove. Today, to cut 16 branches into small pieces, he had to hit 32 times with the hatchet. For tomorrow, a pile of 14 branches is still lying around. How often will Mr. Owens have to swing the hatchet for this?

c) After the carnival celebration in the community center of Saukville the carnival club has to mop the floor. On Saturday four helpers mop the first half of the hall. They need 2.7 hours. On Sunday, 18 helpers are coming. How long do they need for the other half of the hall?

d) The youth of Orofino's technical aid organization with 13 members would need 8.8 hours to clean the beach of Orofino from oil residues. The mayor Mr. Hunt is considering to call Suplee and ask for help. In total they would then be 52 helpers. How long would the cleanup take then?

Good Luck!