

Activity & Worksheet 2

Assembly Diagram, *continued*

Skills: Numeracy, Document Use

Profiled: Assembly

Other Applications: All

5. How many knobs are needed to assemble 20 units?

6. How many nuts are needed to assemble 1000 units?

7. How many of code 192 parts are needed to assemble 200 units?

8. How many 8582 rods are needed to assemble 1500 units?

9. If you are able to assemble 10 units in 3 minutes, how many units could you assemble in 15 minutes?

10. At a rate of 18 units per 3 minutes, how many could you assemble in 15 minutes?

11. At 20 units every 3 minutes, how many would you expect to assemble in one hour?

12. At 15 units every 3 minutes, how many would you expect to assemble in one hour?

13. Three people are working assembling JKX-113 units. They work at different speeds.
Mike: about 18 units in 3 min. = _____ **units per hour.**
Sarah: about 15 units in 3 min. = _____ **units per hour.**
Vito: about 20 units in 3 min. = _____ **units per hour.**
14. How many units can Mike, Sarah, and Vito assemble in one hour? (**Total** per hour)
