

Study Guide B

Section A--- Students may use addition, subtraction, and/or multiplication(as needed)-Study Guide skills- convert from hours/minutes/seconds-convert from meters to centimeters-- Problem-Solving- One or Two Steps with addition, subtraction or multiplication.(4 points each- SHOW YOUR WORK!)

1. Tom worked on his truck for 4 hours. He continued another 32 minutes. How long did Tom work on his truck in **minutes**? Work area- $4 \times 60 = 240$ $240 + 32 = 272$ minutes

Answer- 272 minutes

2. Katie cooked eggs for 5 minutes until the buzzer sounded. However, she did not pull the pot off the stove until 32 seconds after the buzzer. What was the total time **in seconds** that she had allowed the eggs to cook/boil? Work area $5 \times 60 = 300$ $300 + 32 = 332$ seconds

Answer-___332 minutes

3. Kyle brought 4 meter sticks out to the park. (1 meter = 100 cm) He used the sticks to measure his length for jumping. His brother (John) jumped 3 sticks and 83 cm. How far did John jump at the park **in centimeters**? Work area- $100\text{cm} \times 3 = 300\text{cm} + 83 \text{ cm} = 383 \text{ cm}$

Answer-___Kyle jumped 383 cm

4. Lance jumped 4 meters and 37 cm. Kyle jumped 3 meters and 47 cm at the park. What was the difference in distance between Lance and Kyle **in centimeters**? Work area-
Lance $4 \times 100 = 400 + 37 = 437 \text{ cm}$ Kyle $3 \times 100 = 300 + 47 = 347$ $437 - 347 = 90 \text{ cm}$

Answer-___difference is 90 cm

5. On Tuesday, Mary had 2 hours and 12 minutes of homework. Jack had 45 minutes of homework. Sarah had 72 minutes of homework. Jack is 12 years old. How **many minutes** of homework did Sarah, Jack, and Mary have on Tuesday? Work area-
Mary -- $2 \times 60 = 120$ $120 + 12 = 132$ minutes $132 + 45 + 72 = 249$ minutes

Answer-_____