

More Division Measurement Number Stories

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NAME _____

DATE _____

TIME _____

Read each number story. Use the information to write a number model with an unknown and then solves. **Sample number models given.**



- ① Kelly is in charge of bringing water for her softball game. The 8 members of the team have matching team water bottles that hold 500 mL. Kelly buys 5 liters of water at the store. If she fills all the bottles, how many milliliters of water will Kelly have left?

Number model with unknown: $(5 * 1,000) - (8 * 500) = w$

Answer: 1,000 milliliters

- ② The distance around all the bases in softball is 72 meters. If Kelly hits 2 home runs and runs around the bases twice, how many millimeters will she run?

Number model with unknown: $(72 * 1,000) * 2 = h$

Answer: 144,000 millimeters

- ③ In women's softball the pitcher stands about 13 meters from the batter's box. In men's softball the pitcher stands about 1,400 centimeters from the batter's box. About how many more centimeters is it from the men's pitcher to the batter's box than from the women's pitcher to the batter's box?

Number model with unknown: $1,400 - (13 * 100) = p$

Answer: About 100 centimeters

- ④ The 6 games Kelly's team played took a total of 7 hours.

- a. How many minutes total did they play softball?

Number model with unknown: $7 * 60 = m$

Answer: 420 minutes

- b. If each game lasted the same amount of time, how many minutes did each one last?

Number model with unknown: $420 / 6 = m$

Answer: 70 minutes

Practice

⑤ $1\frac{3}{6} + 2\frac{1}{6} = 3\frac{4}{6}$

⑥ $4\frac{3}{5} + 5\frac{4}{5} = 10\frac{2}{5}$

⑦ $7\frac{5}{12} - 2\frac{3}{12} = 5\frac{2}{12}$

⑧ $6\frac{1}{3} - 2\frac{2}{3} = 3\frac{2}{3}$

4.NBT.4, 4.NBT.5, 4.NBT.6, 4.NF.3, 4.NF.3c, 4.MD.1,
4.MD.2, SMP1, SMP7