



NAME _____ DATE _____

QUESTIONS ON REASONING

Problem solving questions by understanding.

- 1) Lizard and Margaret have a problem. Lizard thinks 36 tens is less than 350. Margaret thinks 36 tens is greater than 350. Who is correct? Explain your thinking below.

$$36 \text{ tens} = \underline{\quad} \text{ tens} + \underline{\quad} \text{ tens}$$

$$= \underline{\quad} + \underline{\quad}$$

$$= \underline{\quad}$$

$$10 \text{ tens} = 100$$

$$1 \text{ ten} = 10 \text{ ones}$$

\therefore 36 tens is _____ than 350.

\therefore _____ is correct.

- 2) Lucy and Savanna have a problem. Lucy thinks 2 hundreds + 32 tens is less than 600. Savanna thinks 2 hundreds + 32 tens is greater than 600. Who is correct? Explain your thinking below.

$$2 \text{ hundreds} + 32 \text{ tens} = 200 + 320 \text{ ones}$$

$$= 200 + \underline{\quad} + \underline{\quad}$$

$$= \underline{\quad} + 20 = \underline{\quad}$$

$$10 \text{ tens} = 100$$

$$1 \text{ ten} = 10 \text{ ones}$$

\therefore 2 hundreds + 32 tens is _____ than 600.

\therefore _____ is correct.

- 3) Lucy and Pluto have a problem. Lucy thinks 78 tens is less than 400. Pluto thinks 78 tens is greater than 400. Who is correct? Explain your thinking below.

$$78 \text{ tens} = \underline{\quad} \text{ tens} + \underline{\quad} \text{ tens}$$

$$= \underline{\quad} + \underline{\quad}$$

$$= \underline{\quad}$$

$$10 \text{ tens} = 100$$

$$1 \text{ ten} = 10 \text{ ones}$$

\therefore 78 tens is _____ than 400.

\therefore _____ is correct.