

3.NBT.A.3 Word Problems Involving Estimation

3.NBT.A.3: Multiply one-digit whole numbers by multiples of 10 in the range 10-90 (e.g., 9×80 , 5×60) using strategies based on place value and properties of operations.

Give what is asked in each item and then write your answers on the space provided.

1. An encoder was tasked to encode 8 pages document each with 243 words. About how many words does the encoder need to encode?
 a. 1920 b. 2000 c. 1600 d. 2100
2. A 3-story school building has 5 rooms in each story. Each room can accommodate 66 students. About how many students can each story accommodate?
3. The school canteen ordered 5 sacks of rice. Each sack has 110 pounds of rice. About how many pounds of rice did the canteen order in all?
4. Lesly usually eats snacks twice a day. About how many snacks will Lesly eat in half a year?
 (Hint: 1 year = 365 days)

Challenge:

Jessie bought 73 packs of stickers. Each pack has 87 stickers. About how many stickers did Jessie buy?

Answers:

- 1.
- 2.
- 3.
- 4.

Challenge:

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Answer Key

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Answers:

1. $200 \times 8 = 1600$ words
2. $70 \times 5 = 350$ students
3. $100 \times 5 = 500$ pounds
4. $200 \times 2 = 400$ snacks

Challenge:

$$70 \times 90 = 6300 \text{ stickers}$$