EXERCISE SET 3 — LISTING INFORMATION

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SKIP QUESTION # 1!

EXERCISE SET 3 — LISTING INFORMATION

2. A land developer wants to divide a 15-acre tract of land into lots, each of which will measure 50 feet width and 120 feet deep. If the developer allows 50,000 square feet for streets, how many lots can be developed in the subdivision?

EXERCISE SET 3 — LISTING INFORMATION

2. A land developer wants to divide a 15-acre tract of land into lots, each of which will measure 50 feet width and 120 feet deep. If the developer allows 50,000 square feet for streets, how many lots can be developed in the subdivision?

a. 15 x 43,560 = 653,400 (total square feet)
b. 653,400 – 50,000 = 603,400 (left after streets)
c. 50 x 120 = 6,000 (total square feet for each proposed lot)
d. 603,400 ÷ 6,000 = 100.57 lots

EXERCISE SET 3 — LISTING INFORMATION

3. Two parcels of land have the same width. Lot A is 400 feet deep and Lot B is 1,000 feet deep. If lot A contains 6 acres, how many acres are in Lot B?

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a. **6 x 43,560 = 261,360**
b. **261,360 ÷ 400 = 653.40 (Width of Lot A)**
c. **653.40 x 1000 = 653,400 (Total sq. feet of Lot B)**
d. **653,400 ÷ 43,560 = 15 acres in Lot B**

EXERCISE SET 3 —"LISTING INFORMATION"

4. How many acres are in a triangular lot with an 800-foot base that measures 396 feet from base to the peak?

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a. 800 x 396 = 316,800
b. 316,800 ÷ 2 = 158,400
c. 158,400 ÷ 43,560 = 3.64 acres

EXERCISE SET 3 — LISTING INFORMATION

5. How deep is a rectangular lot with a frontage of 120 feet, if the area of the lot is 2,400 square yards?

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a. 2,400 x 9 = 21,600 (to bring "yards" to "feet")
b. 120′ x L = 21,600
c. 21,600 ÷ 120 = L
d. 180 feet deep

EXERCISE SET 3 — LISTING INFORMATION

6. You have listed a triangular tract at the intersection of a state highway and an interstate highway. The parcel has 1,850 feet of frontage on the interstate and a perpendicular boundary of 3,061 feet on frontage on the state highway. The owner wants $8,500 per acre, which includes your sales commission. How many acres (to the nearest whole acre) are in the tract? What is the sales price of the tract?

E EXERCISE SET 3 — LISTING INFORMATION

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a. **(1,850 x 3,061) ÷ 2 = 2,831,425 (total square feet)**
b. **2,831.425 ÷ 43,560 = 65 acres in the tract**
c. **65 x 8,500 = $552,500 sales price of tract**
d. **Commission is whatever you select**

EXERCISE SET 3 — LISTING INFORMATION

7. A residential lot is located in a subdivision with a setback restriction of 25 feet from the street. If the lot has a frontage of 110 feet on the street and a depth of 125 feet, how many square feet does the setback requirement render useless for construction?

EXERCISE SET 3 — LISTING INFORMATION

7. A residential lot is located in a subdivision with a setback restriction of 25 feet from the street. If the lot has a frontage of 110 feet on the street and a depth of 125 feet, how many square feet does the setback requirement render useless for construction?

a. **25 x 110 = 2,750 square feet**