

Word problems

Solve each word problem. Show your thinking.

- a. A playground has an area of 91 yd^2 . It is 7 yd wide. A garden is being created along its entire length. What will be the length of the garden?

 yd

- b. Three friends rent a car for \$558 plus an insurance fee of \$30. How much is each equal share of the total cost?

 \$

- c. Jerome is buying a piano for \$3,360 and sheets of music for \$24. He is paying the total cost in 8 equal amounts. How much is each payment?

 \$

- d. Three people each have $\frac{2}{8}$ of a plate of fruit. How much fruit do they eat in total?

 fruit

- e. Dorothy needs peanuts, almonds, pecans, and cashews. She buys $\frac{5}{8}$ of a pound of each type. What is the total weight of all the nuts?

 lb

- f. Susan is placing 5 books on her bookshelf. Each book is $3\frac{3}{10}$ inches wide. How wide will all the books be?

 inches

* Answers will vary.

Solve each word problem. Show your thinking.

- a. A playground has an area of 91 yd^2 . It is 7 yd wide. A garden is being created along its entire length. What will be the length of the garden?

*

13

yd

- b. Three friends rent a car for \$558 plus an insurance fee of \$30. How much is each equal share of the total cost?

*

\$ 196

- c. Jerome is buying a piano for \$3,360 and sheets of music for \$24. He is paying the total cost in 8 equal amounts. How much is each payment?

*

\$ 423

- d. Three people each have $\frac{2}{8}$ of a plate of fruit. How much fruit do they eat in total?

*

6

8

fruit

- e. Dorothy needs peanuts, almonds, pecans, and cashews. She buys $\frac{5}{8}$ of a pound of each type. What is the total weight of all the nuts?

*

20

8

lb

- f. Susan is placing 5 books on her bookshelf. Each book is $3\frac{3}{10}$ inches wide. How wide will all the books be?

*

16 $\frac{5}{10}$

inches