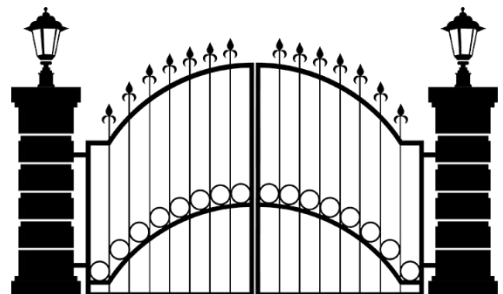


## Decimals word problems

---

### Grade 5 Word Problems Worksheet

1. In his garage, Arthur found a piece of wood with defective ends which was 427.12 cm long. He cut 5.32 cm off one end and another 3.75 cm off the other end. How long was the piece of wood after cutting its ends?
2. The company ordered boxes of concrete nails weighing 3.35 kgs each and a box of 2.5 kgs of screws. The eight construction workers each received a box of nails and each worker used 1.23 kgs of concrete nails yesterday. What is the weight of the concrete nails left in each box? If the concrete nails were put together in a big toolbox, how much would the concrete nails weigh?
3. Carlo cut an excess of 8.7 inches off a 98.5-inch-long iron rod for the reconstruction of the gate at his house. He cut it again into 2 pieces of the same length which he needs for both sides of the gate. How long was the iron rod after cutting the excess? How long was the iron rod needed for each side of the gate?



4. The construction worker works for \$5.50 per hour, but he does not get paid for his lunch time. He spent 3.8 hours for one on-site task, 1.3 hours for lunch and 4.4 hours on another on-site task yesterday. How much would the construction worker be paid?
  
  
  
  
  
  
  
  
  
  
5. Alex can do a certain construction task in 3.5 hours. Roger can do the same task in 2.35 hours. Who is the faster worker? By how many hours faster?
  
  
  
  
  
  
  
  
  
  
6. Ariel needs 7.84 bags of cement and 14.3 meters of iron rod for the construction of one panel of concrete fence. How many bags of cement does she need for 12 panels of concrete fence?

## Answers

1.  $427.12 - 5.32 - 3.75 = 418.05$   
The piece of wood after cutting its ends was 418.05 cm long.
2.  $3.35 - 1.23 = 2.12$   
There are 2.12 kgs of concrete nails left in each box.  
 $2.12 \times 8 = 16.96$   
There would be 16.96 kgs of concrete nails altogether.
3.  $98.5 - 8.7 = 89.8$   
The iron rod is 89.8 inches long after cutting the excess.  
 $89.8 \div 2 = 44.9$   
The iron rod for each side of the gate was 44.9 inches long.
4.  $5.50 (3.8 + 4.4) = 5.50 \times 8.2 = 45.10$   
The construction worker will be paid \$45.10.
5.  $3.5 > 2.35$   
 $3.5 - 2.35 = 1.15$   
Roger is faster by 1.15 hours.
6.  $7.84 \times 12 = 94.08$   
Ariel needs 94.08 bags of cement for 12 panels of concrete fence.