tutorified

1. Find the value of *a*.
   a. $a = 90 \times 30{,}000$
   b. $2 \times a = 32{,}000$
   c. $70 \times a = 28{,}000$
   d. $5 \times 1{,}200 = a$
   e. $11{,}000 \times a = 88{,}000$
   f. $a \times 12{,}000 = 84{,}000$
   g. $10 \times 6{,}000 = a$
   h. $a \times 7{,}000 = 630{,}000$

   Solution:
   a.
   b.
   c.
   d.
   e.
   f.
   g.
   h.

2. Find the missing number (___) to make a true number sentence.
   a. ___ $\times 1{,}000 = 75{,}000$
   b. $11 \times$ ___ $= 132{,}000$
   c. ___ $\times 8{,}000 = 24{,}000$
   d. $7 \times 6{,}000 =$ ___
   e. ___ $\times 1{,}100 = 5{,}500$
   f. ___ $\times 60 = 36{,}000$

   Solution:
   a.
   b.
   c.
   d.
   e.
   f.

3. Use the table. A trade is when an item is purchased and then sold. Profit is the difference between sale price and purchase price.
   a. If the store trades 50 Tibetan Mastiffs in a year, how much profit does it make?
   b. If the store trades 80 Rottweiler, how much profit does it make?
   c. The store traded 100 German Shepherds, 120 Golden Retriever, and 80 American Pit Bull in year 2018. How much profit did they make on the sale of puppies of these three breeds?

Puppy Sale and Purchase Prices at Pet House		
Breed	Sale Price	Purchase Price
Tibetan Mastiff	$1,200	$1,000
German Shepherd	$1,000	$700
Rottweiler	$800	$600
Golden Retriever	$900	$600
American Pit Bull	$500	$300

Solution:
a.   b.   c.

Answer Key

1. Find the value of *a*.
   a. $a = 90 \times 30{,}000$
   b. $2 \times a = 32{,}000$
   c. $70 \times a = 28{,}000$
   d. $5 \times 1{,}200 = a$
   e. $11{,}000 \times a = 88{,}000$
   f. $a \times 12{,}000 = 84{,}000$
   g. $10 \times 6{,}000 = a$
   h. $a \times 7{,}000 = 630{,}000$

Solution:
a. 2,700,000
b. 16,000
c. 400
d. 6,000
e. 8
f. 7
g. 60,000
h. 90

2. Find the missing number (____) to make a true number sentence.
   a. $\_\_\_ \times 1{,}000 = 75{,}000$
   b. $11 \times \_\_\_ = 132{,}000$
   c. $\_\_\_ \times 8{,}000 = 24{,}000$
   d. $7 \times 6{,}000 = \_\_\_$
   e. $\_\_\_ \times 1{,}100 = 5{,}500$
   f. $\_\_\_ \times 60 = 36{,}000$

Solution:
a. 75
b. 12,000
c. 3
d. 42,000
e. 5
f. 600

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American Pit Bull	$500	$300

Solution:
a. $10,000   b. $16,000   c. $82,000