

#1

Awesome Express is an interstellar delivery company. They find that in order to maximize engine efficiency they need a ratio of 117 to 174 lbs of cargo to lbs of fuel. If the space ship is carrying 156 lbs of cargo, how many lbs of fuel do they need to maximize efficiency?

lbs of fuel

Show your work

#2

Choose the best answer

Hailey had a very fun party with 150 guys and 240 girls. Hoping to keep the same ratio, how many girls should Hailey invite to the next party if she has already invited 155 guys.

- 231 226
 234 248

Show your work

#3

To monitor the deer population, park rangers marked 97 deer. A month later they flew over the park and noted 138 deer. Of the deer they saw 69 were marked. To the nearest whole number, what is the best estimate for the deer population?

estimate for the deer population

Show your work

#4

On Kayla's farm they need to feed the cows 160 lbs of feed every day for every 80 cows. If Kayla has 101 cows, then how many lbs of feed does she need for the day?

Show your work

#5

Choose the best answer

To monitor the deer population, park rangers marked 207 deer. A month later they flew over the park and noted 216 deer. Of the deer they saw 184 were marked. To the nearest whole number, what is the best estimate for the deer population?

- 243 315
 182 233

Show your work

#6

Choose the best answer

Angela has built a model of his future house. The model walls are 65 cm tall and the roof is 2 cm tall. If Angela knows she wants the roof on her real house to be 4 feet tall, then how high does Angela need to make the walls?

- 155 124
 127 130

Show your work

#7

Awesome Express is an interstellar delivery company. They find that in order to maximize engine efficiency they need a ratio of 29 to 145 lbs of cargo to lbs of fuel. If the space ship is carrying 35 lbs of cargo, how many lbs of fuel do they need to maximize efficiency?

lbs of fuel

Show your work

#8

On Jack's farm they need to feed the cows 153 lbs of feed every day for every 119 cows. If Jack has 133 cows, then how many lbs of feed does he need for the day?

Show your work

#9

Mall owners walk through the mall and give 102 shoppers gift bags. Later in the day they count 169 shoppers, with only 78 of them carrying gift bags. To the nearest whole number, what is the best estimate for how many people in total are in the mall?

Show your work

#10

Anthony does a phone survey and finds that 109 people like vanilla ice cream best and 218 people like chocolate ice cream best. Anthony then checks an online poll and sees that 121 people said they liked vanilla ice cream the best. What is the best estimate for the online results of how many people like chocolate ice cream the best?

people

Show your work

#11

Choose the best answer

Lauren is eating candy soothers and broccoli. She likes to have a ratio of 114 to 228 junk food to healthy food. If Lauren eats 123 grams of candy soothers, then how many grams of broccoli must she eat?

- 203 178
 246 303

Show your work

#12

Choose the best answer

Gavin does a phone survey and finds that 192 people like vanilla ice cream best and 228 people like chocolate ice cream best. Gavin then checks an online poll and sees that 208 people said they liked vanilla ice cream the best. What is the best estimate for the online results of how many people like chocolate ice cream the best?

- 173 184
 235 247

Show your work

Question	Answer
#1	232
#2	248
#3	194
#4	202
#5	243
#6	130
#7	175
#8	171
#9	221
#10	242
#11	246
#12	247