

#1

Ryan has built a model of his future house. The model walls are 70 cm tall and the roof is 14 cm tall. If Ryan knows he wants the roof on his real house to be 49 feet tall, then how high does Ryan need to make the walls?

 feet

Show your work

#2

Choose the best answer

To monitor the deer population, park rangers marked 118 deer. A month later they flew over the park and noted 154 deer. Of the deer they saw 77 were marked. To the nearest whole number, what is the best estimate for the deer population?

☐ 261☐ 176☐ 278☐ 236

Show your work

#3

Mall owners walk through the mall and give 152 shoppers gift bags. Later in the day they count 201 shoppers, with only 134 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

#4

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](#)

#5

Choose the best answer

If Dylan weighs 64 lbs on Planet X which has a mass of 4 CS. What is the best estimate of how much Dylan would weigh on Planet Y if it has a mass of 12 CS.

☐ 184☐ 209☐ 192☐ 225[Show your work](#)

#6

Choose the best answer

On Austin's farm they need to feed the cows 208 lbs of feed every day for every 104 cows. If Austin has 121 cows, then how many lbs of feed does he need for the day?

☐ 315☐ 242☐ 184☐ 284[Show your work](#)

#7

Choose the best answer

To monitor the deer population, park rangers marked 166 deer. A month later they flew over the park and noted 240 deer. Of the deer they saw 160 were marked. To the nearest whole number, what is the best estimate for the deer population?

☐ 246☐ 249☐ 251☐ 265

Show your work

#8

To monitor the deer population, park rangers marked 205 deer. A month later they flew over the park and noted 210 deer. Of the deer they saw 175 were marked. To the nearest whole number, what is the best estimate for the deer population?

 estimate for the deer population

Show your work

#9

Choose the best answer

Luke is eating candy soothers and broccoli. He likes to have a ratio of 43 to 113 junk food to healthy food. If Luke eats 86 grams of candy soothers, then how many grams of broccoli must he eat?

☐ 230☐ 245☐ 170☐ 226

Show your work

#10

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](#)

#11

Choose the best answer

Luke is eating candy soothers and broccoli. He likes to have a ratio of 34 to 102 junk food to healthy food. If Luke eats 79 grams of candy soothers, then how many grams of broccoli must he eat?

☐ 302☐ 222☐ 237☐ 282[Show your work](#)

#12

Choose the best answer

Owen has built a model of his future house. The model walls are 196 cm tall and the roof is 161 cm tall. If Owen knows he wants the roof on his real house to be 184 feet tall, then how high does Owen need to make the walls?

☐ 174☐ 160☐ 202☐ 224[Show your work](#)

Question	Answer
#1	245
#2	236
#3	228
#4	246
#5	192
#6	242
#7	249
#8	246
#9	226
#10	248
#11	237
#12	224