

#1

Makayla is eating candy soothers and broccoli. She likes to have a ratio of 27 to 101 junk food to healthy food. If Makayla eats 54 grams of candy soothers, then how many grams of broccoli must she eat?

grams of broccoli

Show your work

#2

## Choose the best answer

Ryan does a phone survey and finds that 9 people like vanilla ice cream best and 72 people like chocolate ice cream best. Ryan then checks an online poll and sees that 17 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?

- 146                       115  
 136                       162

Show your work

#3

## Choose the best answer

Anna had a very fun party with 54 guys and 180 girls. Hoping to keep the same ratio, how many girls should Anna invite to the next party if she has already invited 75 guys.

- 218                       195  
 250                       296

Show your work

#4

## Choose the best answer

On Connor's farm they need to feed the cows 60 lbs of feed every day for every 15 cows. If Connor has 22 cows, then how many lbs of feed does he need for the day?

- 70                       88  
 85                       95

Show your work

#5

Kaylee has built a model of his future house. The model walls are 55 cm tall and the roof is 4 cm tall. If Kaylee knows she wants the roof on her real house to be 16 feet tall, then how high does Kaylee need to make the walls?

feet

Show your work

#6

Natalie's Flower Pollinating business likes to have 38 bees for every 2 flowers that it has to pollinate. If they are called in to pollinate 7 flowers then how many bees should Natalie bring?

bees

Show your work

#7

Kaylee has built a model of his future house. The model walls are 55 cm tall and the roof is 4 cm tall. If Kaylee knows she wants the roof on her real house to be 16 feet tall, then how high does Kaylee need to make the walls?

feet

Show your work

#8

## Choose the best answer

Logan is eating candy soothers and broccoli. He likes to have a ratio of 160 to 192 junk food to healthy food. If Logan eats 180 grams of candy soothers, then how many grams of broccoli must he eat?

- 244                       170  
 216                       152

Show your work

#9

Cameron does a phone survey and finds that 198 people like vanilla ice cream best and 225 people like chocolate ice cream best. Cameron then checks an online poll and sees that 220 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

#10

Mia's Flower Pollinating business likes to have 116 bees for every 52 flowers that it has to pollinate. If they are called in to pollinate 104 flowers then how many bees should Mia bring?

 bees

Show your work

#11

Gabriel had a very fun party with 164 guys and 205 girls. Hoping to keep the same ratio, how many girls should Gabriel invite to the next party if he has already invited 188 guys.

 girls

Show your work

#12

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

| Question | Answer |
|----------|--------|
| #1       | 202    |
| #2       | 136    |
| #3       | 250    |
| #4       | 88     |
| #5       | 220    |
| #6       | 133    |
| #7       | 220    |
| #8       | 216    |
| #9       | 250    |
| #10      | 232    |
| #11      | 235    |
| #12      | 194    |