Percent Practice Questions

1) Potato Palace had 5500 visitors yesterday. Today, for their special “Spuds Surprise” event, they saw an increase of 20% in the number of visitors. How many visitors did they have today?

2) 20% of Ms. Yam’s class (which is 6 students) have not written their test yet. How many students are in Ms. Yam’s class?

3) Ms. Au used to drink an average of 20 bubble teas per year. This year, her bubble tea consumption increased by 160% (because a Coco opened close to her home). How many bubble teas will she drink this year?

4) The Huawei P20 smartphone retailed for $720 when it was first released. Now, due to the poor relations between China and Canada, shipping has stalled. The price of the P20 smartphone on ebay has gone up to $722. What is the percent increase in price? (round to the nearest hundredth of a %)

5) For the 2020 Olympics, 14 out of 246 countries will be competing in the high jump finals. What percent of countries is this? (round to the nearest percent)

6) 6% of chocolates produced at Purdy's chocolates are damaged in the shipping process. In a shipment of 820,000 chocolates, approximately how many are damaged?

7) It is estimated that 2 out of every 5 Grade 11 students at Cambie has a part time job. What percent of students is this?

8) Ms. Au’s dwarf hamster drinks 3% of her water bottle every day. If the water bottle holds 200 mL of water, how many mL of water does the hamster drink every day?

9) Markus has not been able to play League of Legends this month because he has been so busy studying for math class. As a result, his LP (league points) have decayed from 68 to 48. What is the percent decrease in his LP? (round to the nearest %)

10) 84% of the plastic that is tossed into plastic recycling goes to the landfill. If an average school recycles 150 kg of plastic a year, how much of this plastic goes to the landfill?

11) On average, Cambie admits 120 students to its Grade 8 class every year. This year, there was a 20 percent increase in the number of new Grade 8s. How many Grade 8s are there this year?

12) 5 apples in a crate of apples are rotten. The grocer calculates that 0.2% of the apples in the crate are rotten. How many total apples are in the crate?

13) After their Friday pizza sale, the Cambie Cheer Team had sold 85% of their 160 pizzas. How many pizzas did they sell?
Answer Key

1) Potato Palace had 5500 visitors yesterday. Today, for their special “Spuds Surprise” event, they saw an increase of 20% in the number of visitors. How many visitors did they have today? (type 0: 6600)

2) 20% of Ms. Yam’s class (which is 6 students) have not written their test yet. How many students are in Ms. Yam’s class? (type 2: 30)

3) Ms. Au used to drink an average of 20 bubble teas per year. This year, her bubble tea consumption increased by 160% (because a Coco opened close to her home). How many bubble teas will she drink this year? (type 0: 52)

4) The Huawei P20 smartphone retailed for $720 when it was first released. Now, due to the poor relations between China and Canada, shipping has stalled. The price of the P20 smartphone on ebay has gone up to $722. What is the percent increase in price? (round to the nearest hundredth of a %) (type 4: 0.28%)

5) For the 2020 Olympics, 14 out of 246 countries will be competing in the high jump finals. What percent of countries is this? (round to the nearest percent) (type 3: 57%)

6) 6% of chocolates produced at Purdy’s chocolates are damaged in the shipping process. In a shipment of 820,000 chocolates, approximately how many are damaged? (type 1: 49,200)

7) It is estimated that 2 out of every 5 Grade 11 students at Cambie has a part time job. What percent of students is this? (type 3: 40%)

8) Ms. Au’s dwarf hamster drinks 3% of her water bottle every day. If the water bottle holds 200 mL of water, how many mL of water does the hamster drink every day? (type 1: 6 mL)

9) Markus has not been able to play League of Legends this month because he has been so busy studying for math class. As a result, his LP (league points) have decayed from 68 to 48. What is the percent decrease in his LP? (round to the nearest %) (type 4: 29%)

10) 84% of the plastic that is tossed into plastic recycling goes to the landfill. If an average school recycles 150 kg of plastic a year, how much of this plastic goes to the landfill? (type 1: 126 kg)

11) On average, Cambie admits 120 students to its Grade 8 class every year. This year, there was a 20 percent increase in the number of new Grade 8s. How many Grade 8s are there this year? (type 0: 144)

12) 5 apples in a crate of apples are rotten. The grocer calculates that 0.2% of the apples in the crate are rotten. How many total apples are in the crate? (type 2: 2,500)

13) After their Friday pizza sale, the Cambie Cheer Team had sold 85% of their 160 pizzas. How many pizzas did they sell? (type 1: 136)