

Estimate with Percents

Guided Practice



Estimate each percent. (Examples 1 and 2)

1. 19% of \$53 \approx

2. 21% of 96 \approx

3. 59% of 16 \approx

Show your work!

4. A purse that originally cost \$29.99 is on sale for 50% off. About how much is the sale price of the purse? (Example 3)

5. Mr. Marcucci received a bonus of \$496 from his employer. He has to pay 33% of his bonus to taxes. How much will Mr. Marcucci pay in taxes? (Examples 4 and 5)

Independent Practice

Go online for Step-by-Step Solutions



Estimate each percent. (Examples 1 and 2)

1. 47% of \$118 \approx

2. 19% of 72 \approx

3. 42% of 16 \approx

4. 67% of 296 \approx

Show your work!

Estimate using a rate per 100. (Example 4)


5. 24% of 289 \approx

6. 67% of 208 \approx

7. **STEM** Penguins spend almost 75% of their lives in the sea. An Emperor Penguin in the wild has a life span of about 18 years. About how many years does this penguin spend in the sea? (Example 3)

8. In Nathan's baseball card collection, 58% of the cards are players from the National League. He has 702 baseball cards. About how many baseball cards are players from the National League? Use a rate per 100 to estimate. (Example 5)

10. About 42% of Alaska's population lives in the city of Anchorage. If Alaska has a total population of 648,818, about how many people live in Anchorage?

 During the basketball season, Tyrone made 37 baskets out of 71 attempts. About what percent of his shots did he miss?



Standardized Test Practice

18. Evan wants to buy a digital camera that sells for \$199.99. If he uses his discount card, he will save 18%. About how much will he save using the discount card?

(A) \$20

(C) \$50

(B) \$40

(D) \$160

27. Trevon spent 8 hours and 15 minutes at an amusement park yesterday. He spent 75% of the time at the park on rides. About how much time did he spend on rides?

28. A group of friends went on a hiking trip. They planned to hike a total of 38 miles. They want to complete 25% of the hike by the end of the first day. About how many miles should they hike the first day?