

## EXERCISE 20

1. Jane made 50 cookies. 24 of them were chocolate cookies. The rest were sugar cookies.
  - (a) What percentage of the cookies were chocolate cookies?
  - (b) What percentage of the cookies were sugar cookies?

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2. Ryan had \$80. He spent \$32 on a book.
    - (a) What percentage of his money did he spend on the book?
    - (b) What percentage of his money did he have left?

3. There are 400 seats in a concert hall. 120 of them are occupied.
- (a) What percentage of the seats are occupied?
  - (b) What percentage of the seats are not occupied?

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4. 125 swimmers take part in a swimming competition. 85 of them are females.
- (a) What percentage of the swimmers are females?
  - (b) What percentage of the swimmers are males?

## EXERCISE 21

1. Find the value of each of the following:

(a) 4% of 300

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(b) 72% of 150

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(c) 30% of \$94

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(d) 5% of \$250

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(e) 25% of 240 m

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(f) 80% of 25 kg

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2. Molly paid \$85 last month for her utilities. 55% of this amount was for electricity. How much did Molly pay for electricity?

3. There were 48 traffic accidents in May last year. 25% of them happened on the freeways. How many accidents happened on the freeways?

4. Stephanie earns \$750 a month. She gives 30% of the money to charity. How much money does Stephanie give to charity?



## EXERCISE 22

1. There are 55 apples in a box. 40% of them are red apples and the rest are green apples. How many green apples are there in the box?

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2. Jordan had \$840. He gave 30% of the money to his parents. How much money did he have left for himself?

3. Mike earns \$1200 a month. He saves 15% of the money and spends the rest. How much does he spend each month?

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4. There were 750 questions in a mathematics book. Sam answered 82% of them correctly. How many questions did he answer incorrectly?

## EXERCISE 23

- 1 Kate has \$1800 in a savings bank. The bank pays 6% interest per year.
- (a) How much interest will she earn after 1 year?
  - (b) How much money will she have in the bank after 1 year?

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- 2 Alicia borrows \$2800 from a bank. The bank charges 8% interest per year. If she pays off the loan in 1 year, how much does she have to pay?

3. The usual price of a clock was \$60. At a sale, it was sold at a discount of 20%.

- (a) How much was the discount?
- (b) Find the selling price of the clock.

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4. The usual price of a photo album was \$15. It was sold at a discount of 25%. Find the selling price of the photo album.





## EXERCISE 24

1. A man rents a room for \$300 a month. If the rent is increased by 12%, how much more does he have to pay each month?

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2. A factory had 1500 workers last year. This year, the number of workers was increased by 4%. Find the number of workers after the increase.