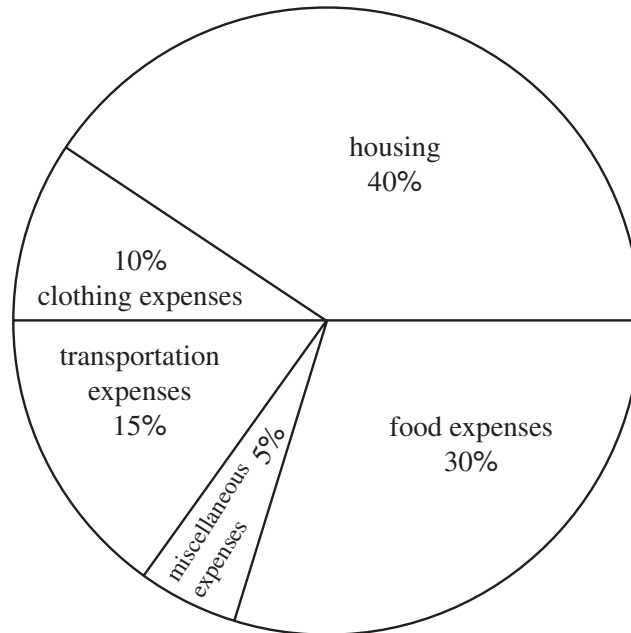


Mathematics, Grade 10

- 25 The circle graph below shows the Corbett family's monthly budget. The Corbett family has a total monthly income of \$2,000.

Corbett Family's Monthly Budget



Mr. Corbett received a \$100 per month raise. He increased the transportation expense portion of the monthly budget by \$100. To the nearest percent, what portion of the Corbetts' income is now being spent on transportation expenses?

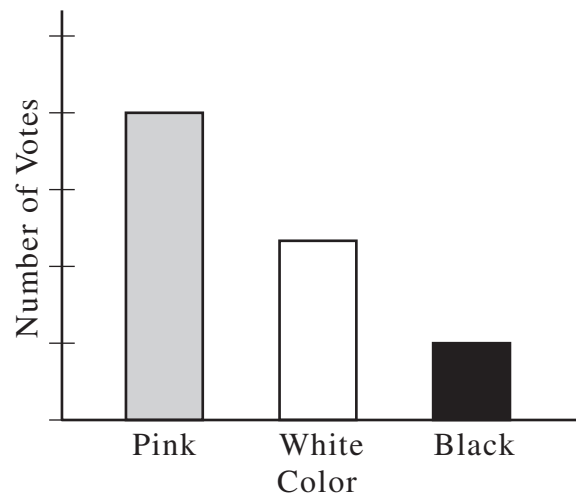
- A. 14 percent
- B. 19 percent
- C. 20 percent
- D. 21 percent

Reporting Category for Item 25: *Data Analysis, Statistics, and Probability*

Mathematics, Grade 10

- 26 A company that makes ballet shoes surveyed 200 customers. Each customer voted for one favorite color of ballet shoe. The bar graph shows the results.

**Ballet Shoe Color Preferences
(200 Total Votes)**



Based on the data in the graph, which of the following is the **best** estimate of the number of customers who voted for “Pink”?

- A. 80
- B. 110
- C. 140
- D. 170

Reporting Category for Item 26: *Number Sense and Operations*

Mathematics, Grade 10

- 27 If the graphs of $y = 5x + 40$ and $y = 10x + 20$ are drawn on the same axes, they will
- A. not intersect.
 - B. intersect at (5, 10).
 - C. intersect at (4, 60).
 - D. intersect at (12, 100).

Reporting Category for Item 27: Patterns, Relations, and Algebra

- 28 Let x and y be real numbers with $x < y < 1$. Which of the following is **always** a real number that lies between x and y ?
- A. $x - y$
 - B. $x + y$
 - C. $\frac{x - y}{2}$
 - D. $\frac{x + y}{2}$

Reporting Category for Item 28: Number Sense and Operations