# EXERCISE 5

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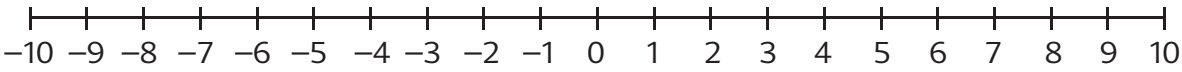
2. Ryan had $80. He spent $32 on a book.
   (a) What percentage of this money did he spend on the book?
   (b) What percentage of his money did he have left?

# EXERCISE 6




1. Use the number line to find the answer.

   (a) $-1 + 5 =$ ☐ (b) $-4 + 3 =$ ☐

   (c) $6 + (-4) =$ ☐ (d) $2 + (-6) =$ ☐

   (e) $4 + (-1) =$ ☐ (f) $5 - 7 =$ ☐

2 Evaluate the following.

   (a) $5 - 10$ ☐

   (b) $50 - 63$ ☐

   (c) $-8 + 20$ ☐

   (d) $-14 + 12$ ☐

   (e) $32 + (-86)$ ☐

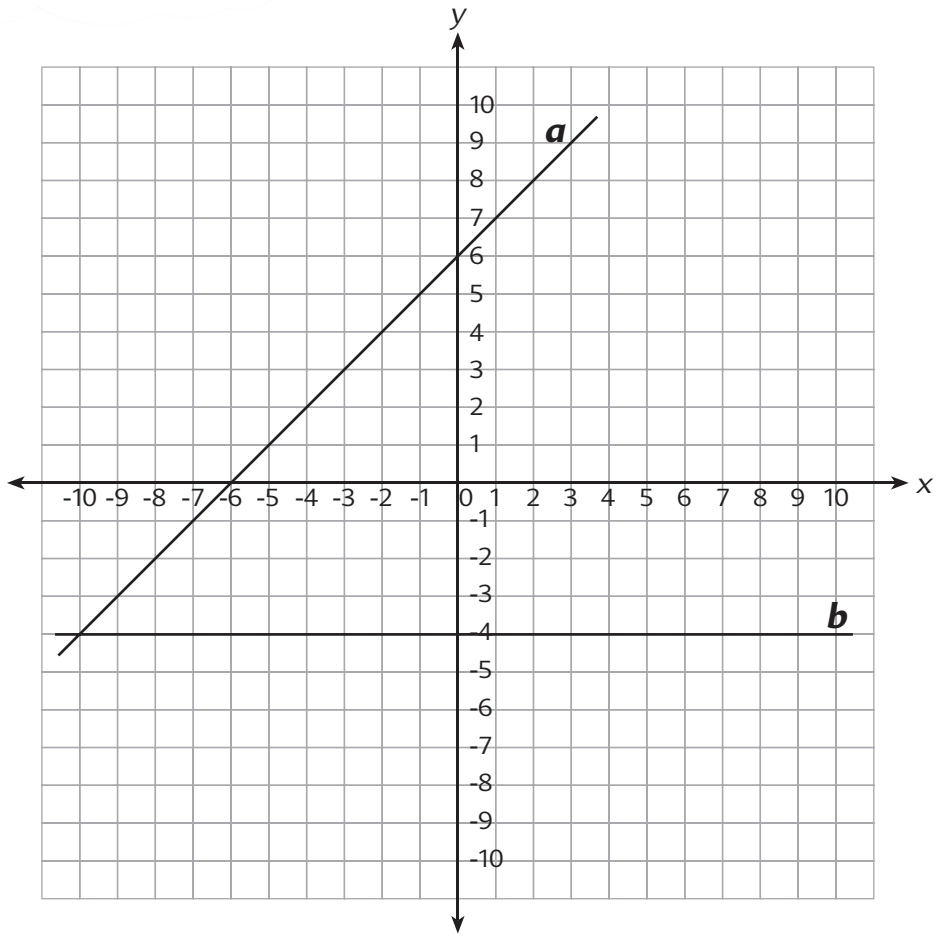
   (f) $16 + (-45)$ ☐

3. Find the value of each of the following expressions when $n = -25$.

| | |
|---|---|
| (a) $n + 4$ <br> = | (b) $37 + n$ |
| (c) $n + 31$ | (d) $n + n + 100$ |

# EXERCISE 8

1.




(a) Complete the table for $y = 4 - x$ for values of $x$ from 0 to 6.

| $x$ | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|
| $y$ | | | | | | | |
| $(x, y)$ | | | | | | | |

(b) Graph the points, and draw a line through them. Name this line Line ***c***. Extend the line so that it intersects Lines ***a*** and ***b***.

(c) The three lines intersect to form a triangle. Give the coordinates of the vertices of the triangle. ( , ) ( , ) ( , )

(d) Find the area of the triangle formed by the three lines, in square units.

(e) Any point on Line ***b*** has a y-coordinate of ____.

(f) Which line contains the point (–5, 1)? ____