

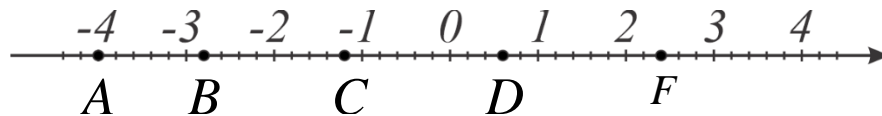
1. Evaluate:

$$a. \frac{1 - \frac{1}{2}}{\frac{1}{2} - \frac{1}{3}}; \quad b. \frac{\frac{1}{3} + \frac{1}{4}}{2 - \frac{5}{6}}; \quad c. \left(\frac{3}{4} + \frac{1}{6}\right) \cdot 3 + \left(\frac{5}{6} - \frac{1}{2}\right) : \frac{2}{9};$$

2. There are three short stories in a book. Paulina read the first story in $\frac{1}{3}$ of one hour. She spent $\frac{1}{6}$ of an hour more reading the second story than reading the first one. The third story she read in $\frac{7}{12}$ of an hour less than the two previous stories together. How much time did it take her to read this book?

3. Find the coordinates of the points:

Example: $A(-4)$



4. Continue numbers on both sides of the sequence by three numbers:

Example: $a. -40, -39, -38, -37, -36, -35, -34, -33, -32$

$a. \dots, -37, -36, -35, \dots$; $b. \dots, 2, 3, 4, 5, \dots$; $c. \dots, -98, -97, -96, \dots$

5. The fourth grade is going on a school trip. Every student had to bring in \$64 for the trip to cover all costs. Unfortunately, 3 students could not participate on the trip. Therefore, every student who went on the trip had to bring in \$4 more so those who did not go could get their money back. How many students went on the trip?

6. The bus A comes every 9 minutes and the bus B comes every 12 minutes. If both buses arrive at exactly 10:00 am, what is the first time they will both arrive together after 11:00 am?

7. Which sign (+, −, ·, ÷) should be placed instead of * to make the following equalities true statements.

$$\frac{7}{8} * 1\frac{1}{7} = 1$$

$$\frac{3}{7} * \frac{4}{7} = \frac{3}{4}$$

$$2 * 1\frac{1}{3} = \frac{2}{3}$$

$$\frac{3}{10} * \frac{5}{6} = \frac{1}{4}$$

8. A boy has as many brothers as sisters, but his sister has twice less sisters than brothers. How many girls and how many boys are in this family?