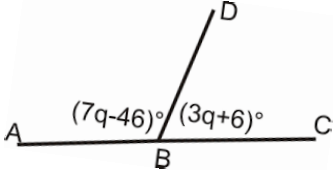


Question 1

1. The first, second and fourth term of a proportion are 3,8 and 16, respectively. Find its third term. [2]
2. Find the third proportion to $\frac{1}{8}$ and $\frac{1}{18}$ [2]
3. Arrange given fraction in ascending order. $\frac{2}{3}$ $\frac{3}{4}$ $\frac{5}{12}$ $\frac{9}{16}$ [2]
4. Simplify $2\frac{2}{5} - 3\frac{3}{4} + 2\frac{1}{2}$ [2]
5. Simplify: $\frac{1}{4}$ of $2\frac{2}{7} \div \frac{3}{5}$ [2]

Question 2

1. Solve: $3(2x + 1) - 2(x-5) - 5(5 - 2x) = 16$ [2]
2. Solve: $\frac{x}{7} + 1 = 2\frac{1}{2}$ [2]
3. Find the value of q in the adjoin figure.  [2]
4. Find the complementary and supplementary angle of $(x - 90)$ [2]
5. Length of a rod is 28.14 m. If it is divided into 3 equal pieces, find the length of each [2]

Question 3

1. Find the H.C.F of 30 and 80 by division method. [2]
2. Find the L.C.M. OF 2,3, 8 by common division method .[2]
3. Find the L.C.M. of 120 and 240 . Use the L.C.M. to find the H.C.F. of the given number. [3]
4. The angles of triangle are in ratio 2:3:4. Find the measure of each angle of triangle. [3]

6. Find the H.C.F of 18 and 24 by factor method. **[2]**
7. Find the H.C.F of 5 and 10 by prime factor method. **[2]**