

1. Compute:

$$a) \frac{1}{8} + \frac{3}{7} =$$

$$b) \frac{1}{2} + \frac{5}{6} =$$

$$c) \frac{2}{3} + \frac{2}{5} =$$

$$d) \frac{7}{24} + \frac{1}{4} =$$

2. Find the missing fraction:

$$a) \frac{1}{8} \times ? = \frac{5}{64}$$

$$b) \frac{3}{7} \times ? = 1$$

$$c) \frac{2}{11} \times ? = \frac{6}{44}$$

$$d) \frac{2}{9} \times ? = 2$$

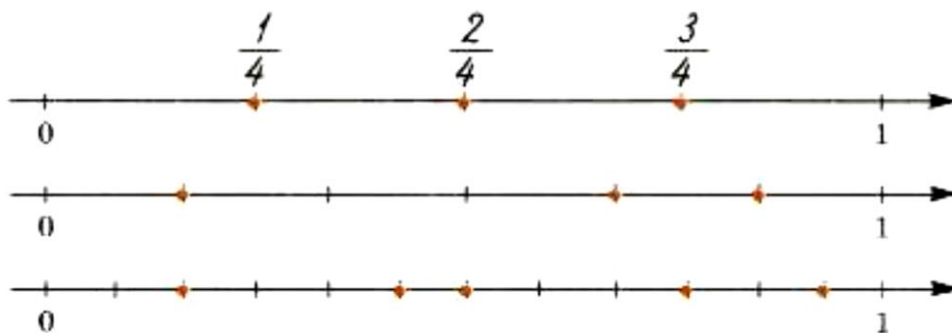
3. Solve the following equations:

$$a) \frac{1}{3} + z = \frac{2}{3}$$

$$b) \frac{3}{4} + y = 1$$

$$c) \frac{5}{7} - x = \frac{4}{7}$$

4. On the picture below, put the corresponding fractions above each marked point:



5. There are 80 penguins in a zoo and  $\frac{3}{4}$  of them love tuna. While 47 penguins love red tuna, only 42 love yellow tuna. How many penguins love both kinds of tuna?

**6. Solve**

a. There are 100 fourth graders in an elementary school and  $\frac{3}{4}$  of them went to the field trip. How many students went to the field trip?

b. There are 100 fourth graders in an elementary school and 20 students took part in a math competition. What part of the students participated in the math competition?

c. Sixty fourth graders like the “Harry Potter” movie. This is  $\frac{3}{5}$  of the number of students in the 4<sup>th</sup> grade. How many students are there in the 4<sup>th</sup> grade?

7. \*You need to cut  $\frac{1}{2}$  m from a rope  $\frac{2}{3}$  m long. You don't have any tools to do the measurements. How you can do it?

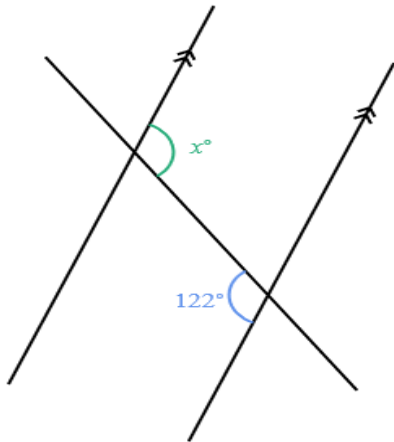
**8. Simplify expressions:**

a.  $x + 5 - 2x - 7 + 6x + 24 - 15$

b.  $3y - 5x - 8 + 23 + 45x - 6y + 7x + 23y + 99$

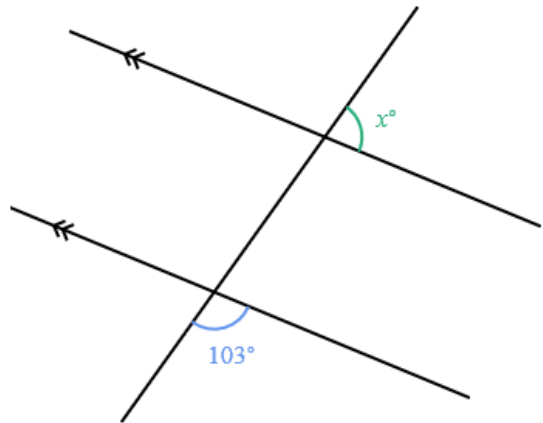
9. Find  $x$

A



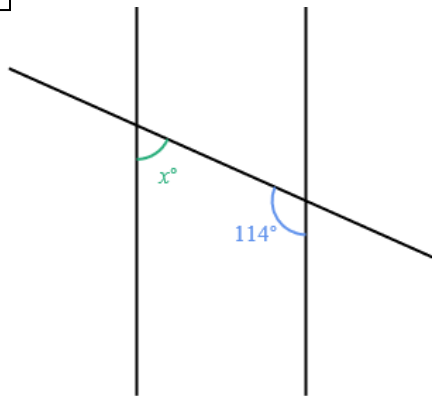
$x = \square^\circ$

B



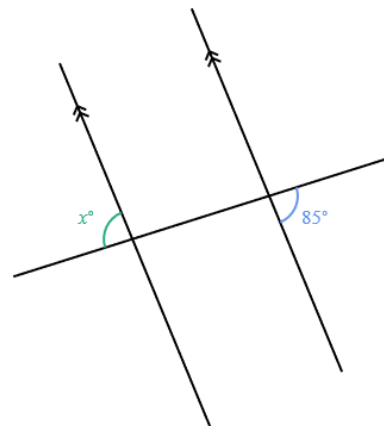
$x = \square^\circ$

C



$x = \square^\circ$

D



$x = \square^\circ$

### Review of LCM and GCF and Venn Diagrams

- Show Venn Diagram of prime factors for 1024 and 512
- Write a set A of prime factors for 1024
- Write a set B of prime factors for 512
- Write the set  $C = A \cap B$
- Write the set  $D = A \cup B$
- Determine GCF (1024, 512) and LCM (1024, 512)