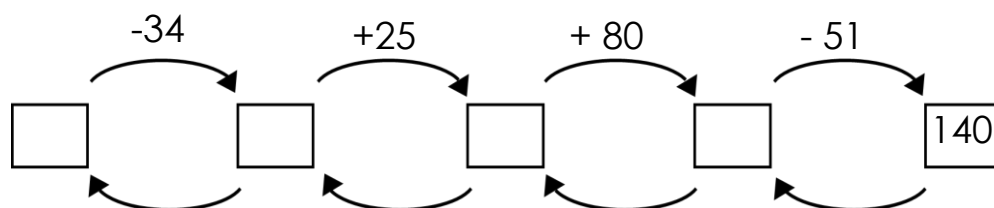


Parenthesis. Venn diagram

1

"I think of a number" game with Little Joe. LJ thought of a number. He subtracted 34, added 25, added 80, subtracted 51, and got 34. What was the number LJ think of?



2

In your notebook, solve the equations and write you solutions similarly to the example. Copy your answers here. Make drawings if needed.

$$345 - x = 261$$

$$118 + y = 239$$

$$z - 433 = 241$$

 $x =$
 $y =$
 $z =$

3

Convert:

$$2 \text{ m } 5 \text{ dm } 1 \text{ cm} = \underline{\hspace{1cm}} \text{ cm}$$

$$2 \text{ dm } 4 \text{ cm} = \underline{\hspace{1cm}} \text{ cm}$$

$$34 \text{ dm} = \underline{\hspace{1cm}} \text{ m } \underline{\hspace{1cm}} \text{ dm}$$

$$34 \text{ dm} = \underline{\hspace{1cm}} \text{ m } \underline{\hspace{1cm}} \text{ cm}$$

$$282 \text{ cm} = \underline{\hspace{1cm}} \text{ m } \underline{\hspace{1cm}} \text{ dm } \underline{\hspace{1cm}} \text{ cm}$$

$$282 \text{ cm} = \underline{\hspace{1cm}} \text{ m } \underline{\hspace{1cm}} \text{ cm}$$

4

How many operations are in each of the expressions below? Mark the order of operations. Do we have here the expressions where the order of operation does not matter? Why?

$$123 - 16 + 32$$

$$34 - 15$$

$$45 + 16 + 27 + 10$$

$$567 - 345 + 118$$

$$33 + 59 - 21 + 17$$

$$252 - 149 + 71 - 124$$

$$a + b - c$$

$$m + n + k$$

$$a - c + d - m$$

Parentheses

In expression $8 - 4 + 1$ operations are performed in the natural order: subtraction is performed before addition. In order to change the natural order, **parentheses** are used.

$$\begin{array}{cc} \textcircled{1} & \textcircled{2} \\ 8 - 4 + 1 = 5 \end{array}$$

$$\begin{array}{cc} \textcircled{2} & \textcircled{1} \\ 8 - (4 + 1) = 3 \end{array}$$



5

Determine the order of operations in the expressions:

a) $a - (b + c)$

b) $(a + b) - c$

c) $a - (b - c) - d$

d) $26 + (32 - 16)$

e) $93 + (12 + 16) - 35$

f) $a + (b - c + d)$

6

Mark the order of operations and find the result:

$18 + 12 - 8 - 6 = \underline{\hspace{2cm}}$

$32 - 10 + 6 - 3 = \underline{\hspace{2cm}}$

$18 + 12 - (8 - 6) = \underline{\hspace{2cm}}$

$32 - (10 + 6) - 3 = \underline{\hspace{2cm}}$

$18 + (12 - 8) - 6 = \underline{\hspace{2cm}}$

$32 - 10 + (6 - 3) = \underline{\hspace{2cm}}$

7

Compare:

$x \dots x + 3$

$x + 3 \dots x + (3 + b)$

$x + 3 \dots x + (3 - b)$

$x - 3 \dots x - 3 + 1$

$x - 3 \dots x - (3 + 1)$

$x - 3 \dots x - (3 - 1)$

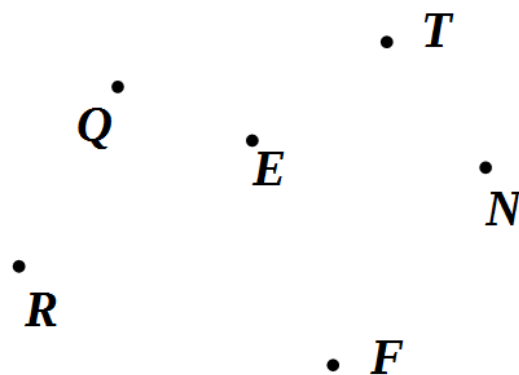
8

Find the intersection of straight lines RT , and FQ . Label it G .

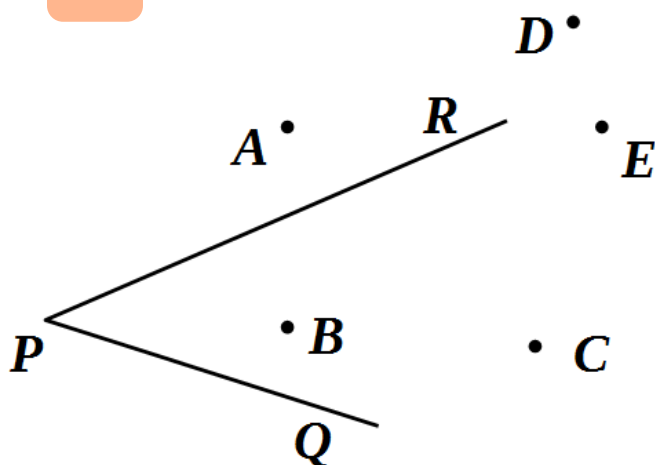
Plot straight line GN .

Find the intersection of straight lines QT , and RF .

Label it P .



9



Which of the points A , B , C , D , and E are located inside angle $\angle RPQ$?

Which of the points A , B , C , D , and E are located outside angle $\angle RPQ$?

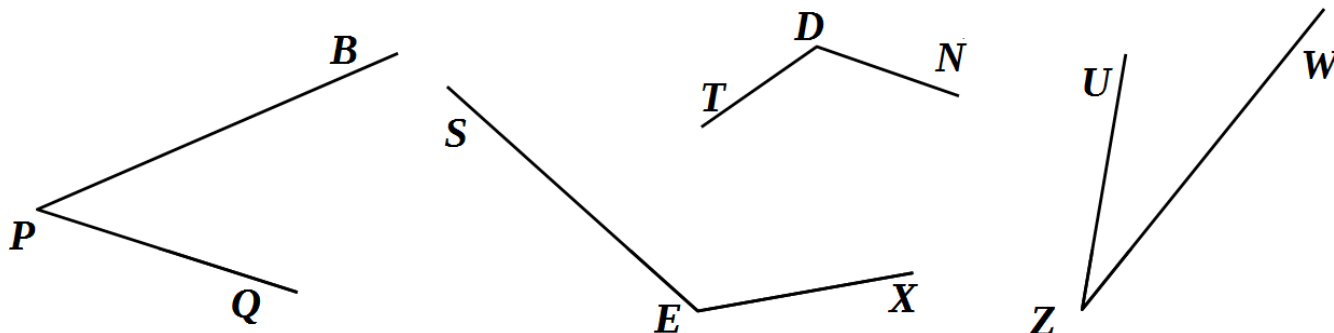
Does line segment $[CD]$ intersect ray $[PR]$?

10

Use a right-angle template to identify

1) angles that are bigger than the right angle _____

2) angles that are smaller than the right angle _____

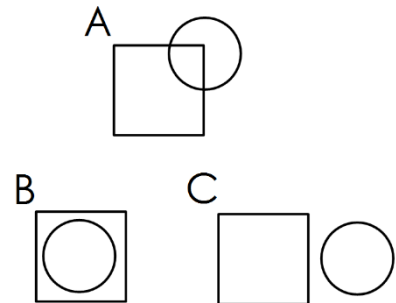


Venn diagram

A Venn diagram is an illustration of the relationships between the groups of objects that have something in common.

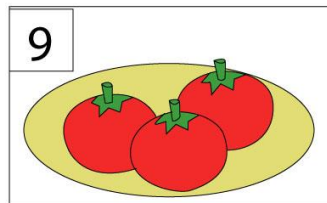
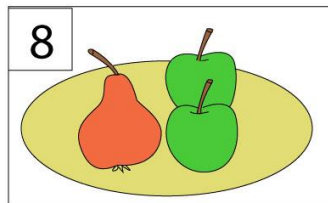
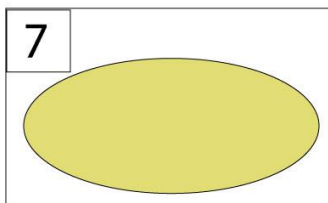
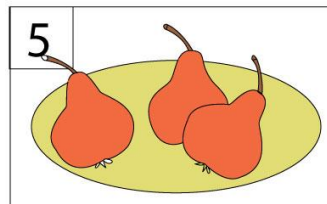
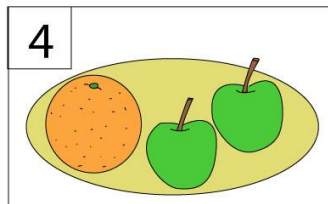
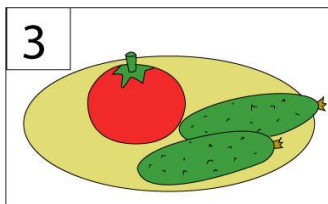
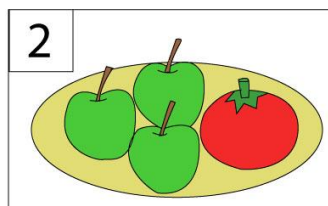
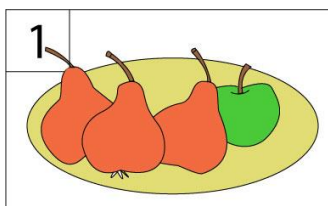
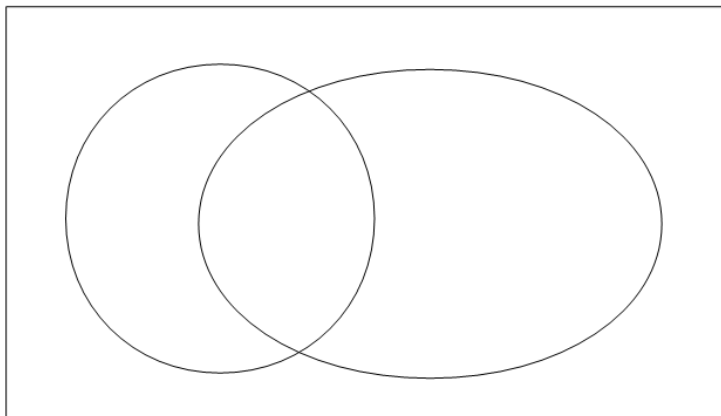
Which picture (A, B, or C) represents:




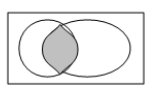
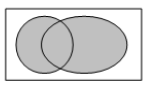
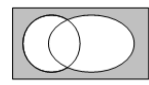
- Set of apples and set of oranges: _____
- Set of apples and set of yellow apples: _____
- Set of yellow fruits and set of apples: _____



11

Write the plate numbers into the **Venn diagram**. How many plates are in each set? Write the answers in the table.



Sets	
	- Plates on the picture 10
	- Plates with apples
	- Plates with pears
	- Plates with both apples and pears
	- Plates with fruits (either apples or pears)
	- Plates without fruits