

Intervalles

Série 3

Calcul mental et automatismes – IREM de Clermont-Ferrand

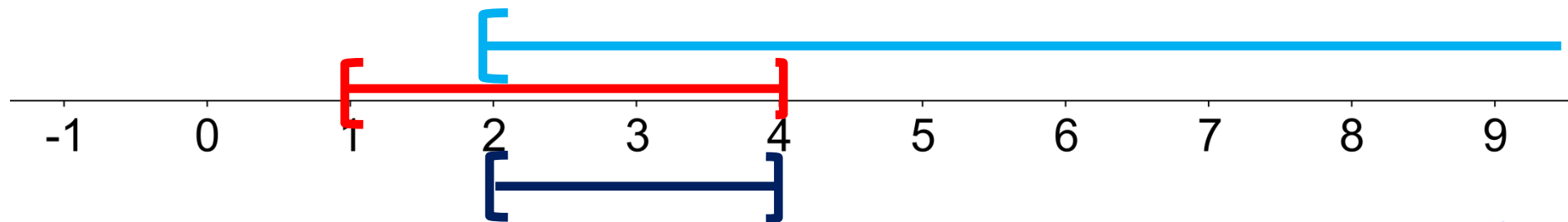
Simplifier les intersections
et réunions d'intervalles
suivantes, lorsque c'est
possible.

N°0

$$[1; 4] \cap [2; +\infty[$$

Nº0

$$[1; 4] \cap [2; +\infty[$$



$[2; 4]$

N°1

$$[1; 4] \cap]-1; 7[$$

N°2

$$[1; 4] \cup]-1; 7[$$

N°3

$$[1; 4] \cap \left] 0; \frac{7}{4} \right[$$

N°4

$$[1; 4] \cup \left] 0; \frac{7}{4} \right[$$

N°5

$$[1; 4] \cup \left] 0; \frac{3}{4} \right[$$

N°6

$$[1; 4] \cap \left] 0; \frac{3}{4} \right[$$

N°7

$$[1; 4] \cup]-\infty; 4[$$

N°8

$$[1; 4] \cap]-\infty; 4[$$

N°9

$$]-\infty; 4[\cap \left[\frac{13}{4}; +\infty[$$

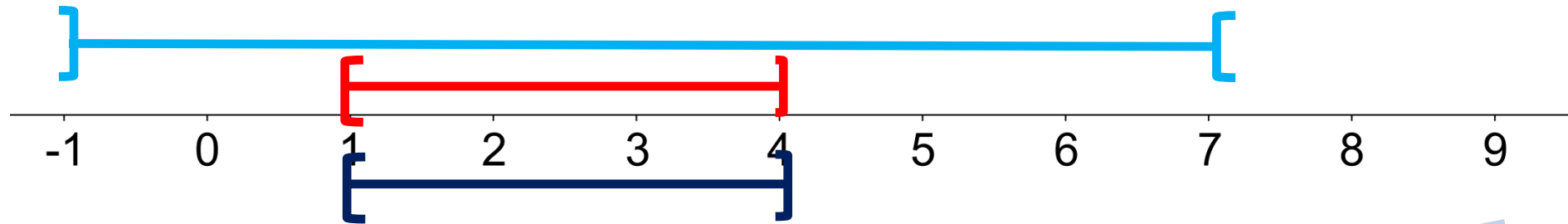
N°10

$$]-\infty; 4[\cup \left[\frac{13}{4}; +\infty[$$

Correction

N°1

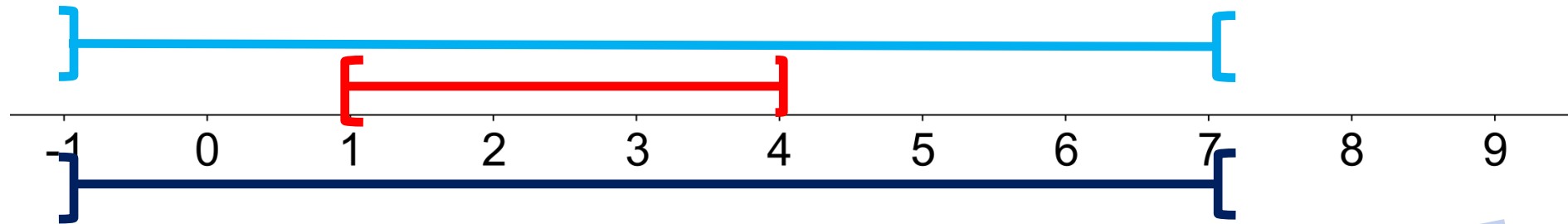
$$[1; 4] \cap]-1; 7[$$



$[1; 4]$

N°2

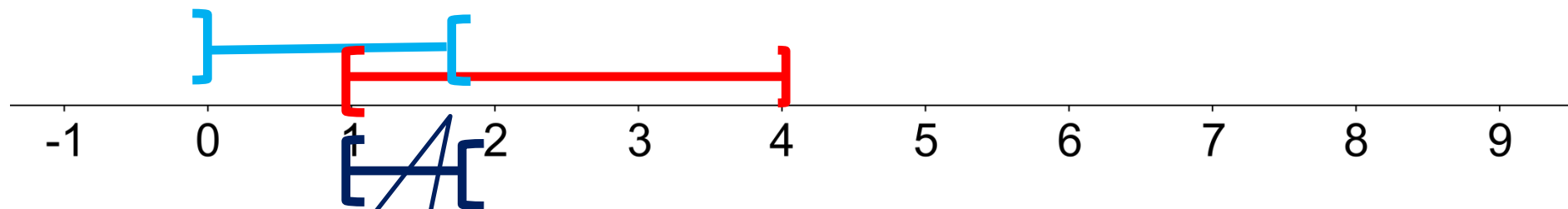
$$[1; 4] \cup]-1; 7[$$



$$]-1; 7[$$

Nº3

$$[1; 4] \cap \left] 0; \frac{7}{4} \right[$$

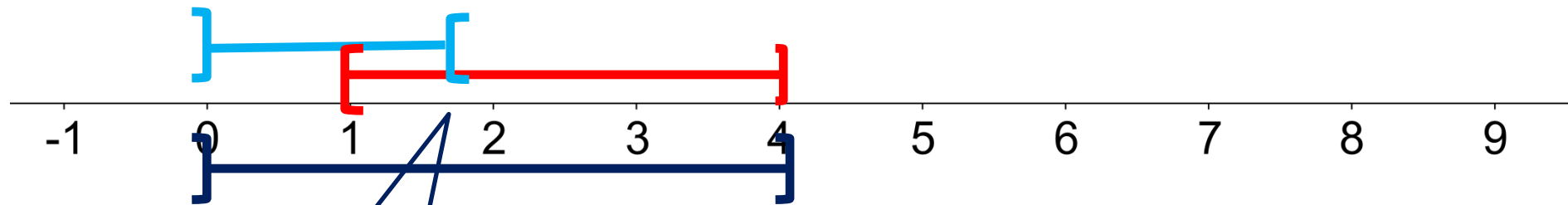


$\frac{7}{4} = 1,75$

$[1; 7/4[$

Nº4

$$[1; 4] \cup \left] 0; \frac{7}{4} \right[$$

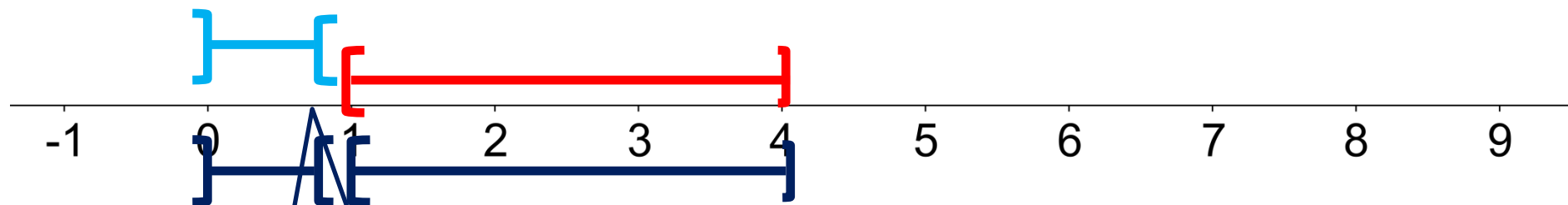


$\frac{7}{4} = 1,75$

$]0; 4]$

Nº5

$$[1; 4] \cup]0; \frac{3}{4}[$$

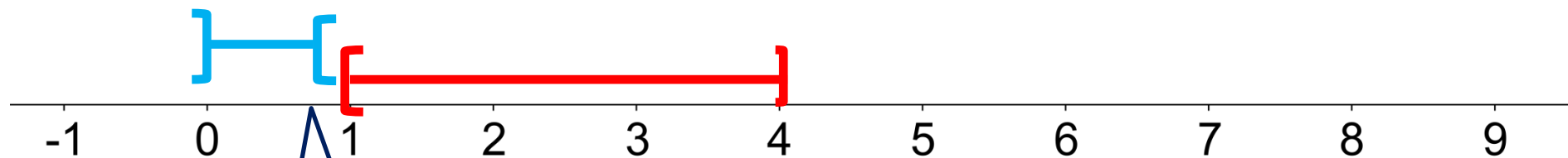


$$\frac{3}{4} = 0,75$$

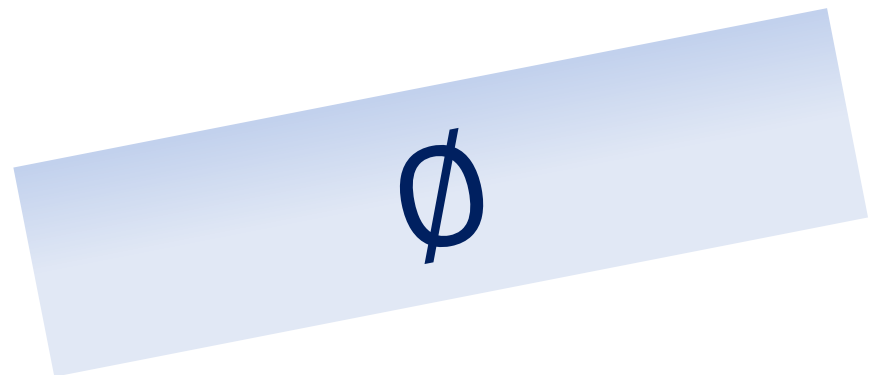
$$[1; 4] \cup]0; 3/4[$$

N°6

$$[1; 4] \cap \left] 0; \frac{3}{4} \right[$$

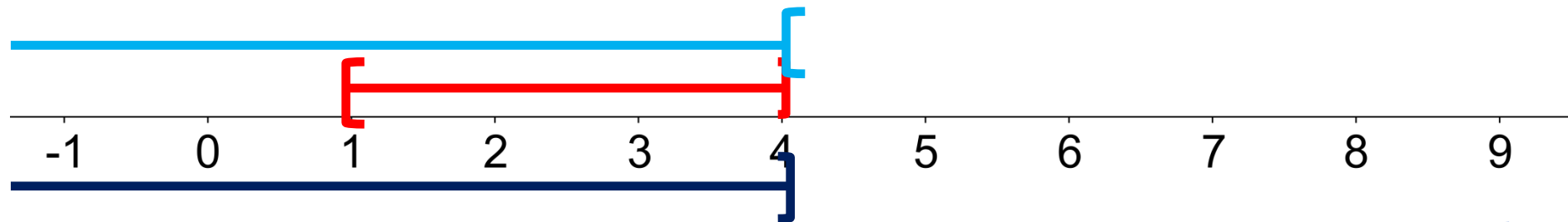


$\frac{3}{4} = 0,75$



N°7

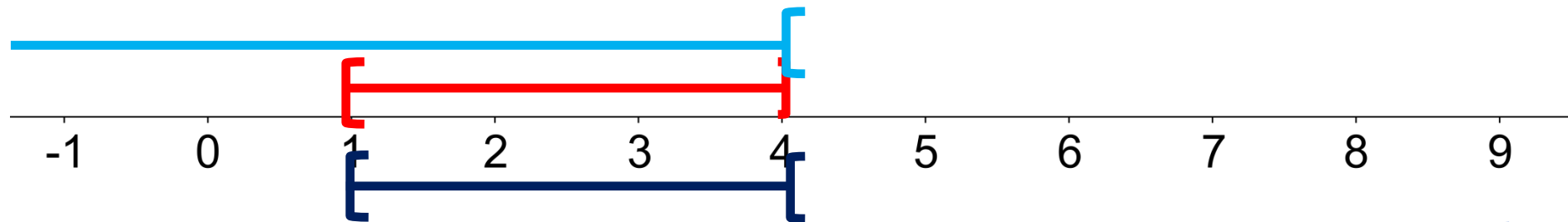
$$[1; 4] \cup]-\infty; 4[$$



$$]-\infty; 4]$$

N°8

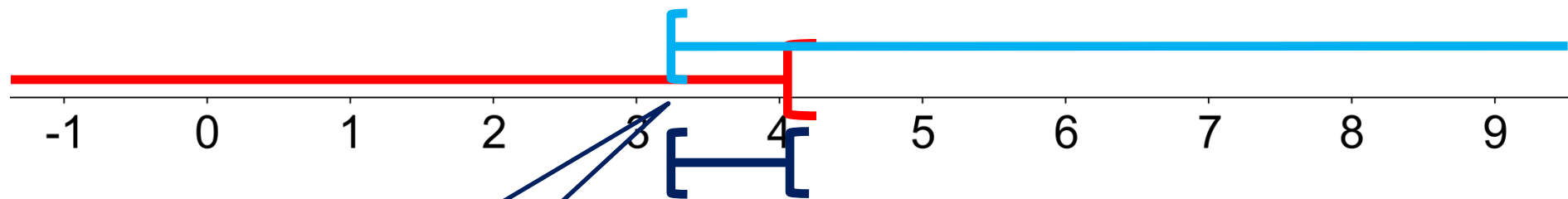
$$[1; 4] \cap]-\infty; 4[$$



$[1; 4[$

Nº9

$$]-\infty; 4[\cap \left[\frac{13}{4}; +\infty[$$

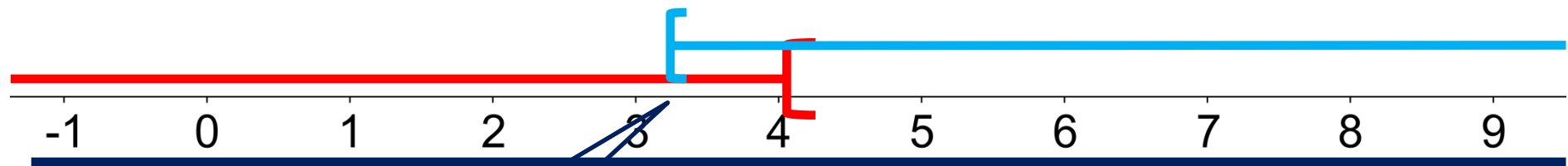


$$\frac{13}{4} = 3,25$$

$$[13/4; 4[$$

N°10

$$]-\infty; 4[\cup \left[\frac{13}{4}; +\infty[$$



$$\frac{13}{4} = 3,25$$

$$]-\infty; +\infty[= \mathbb{R}$$

Fin