

Tally # N

① $1 < 2$ a 1

$4 < 9$ a 5

$0 < 10$ a 10

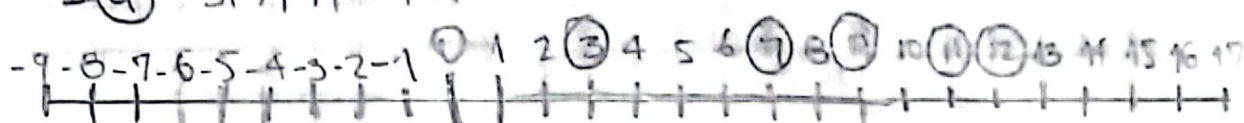
$5 < 10$ a 5

$1 < 5$ a 4

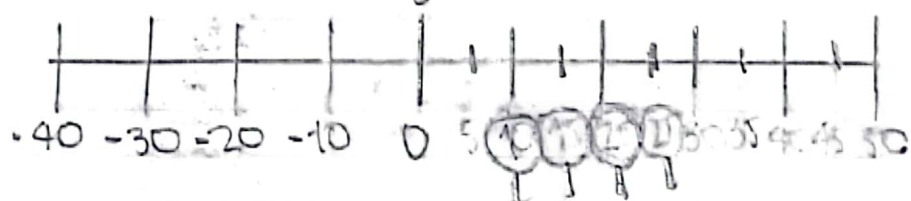
$3 < 61$ a 78

② Seewrecta unuevica.

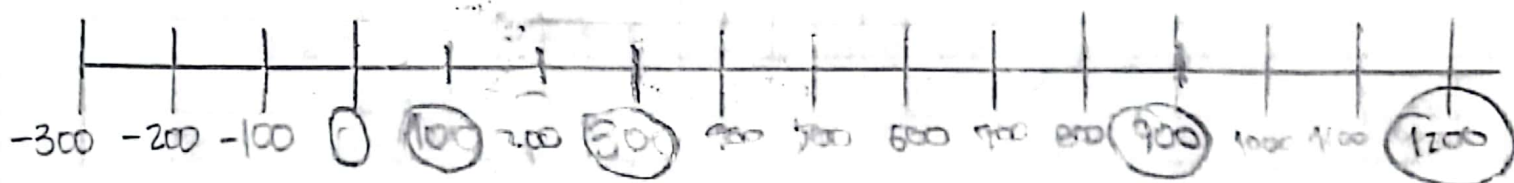
-(a) 3, 9, 7, 12, 11



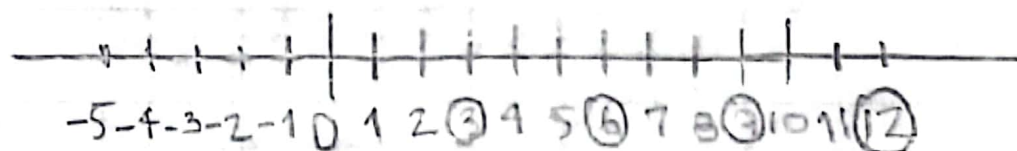
-(b) 10, 20, 25, 15



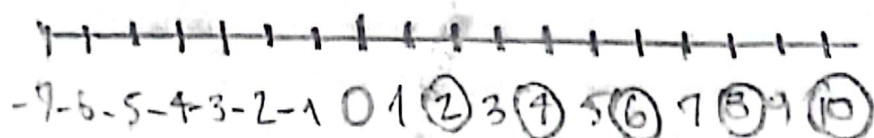
-(c) 100, 900, 1200, 300



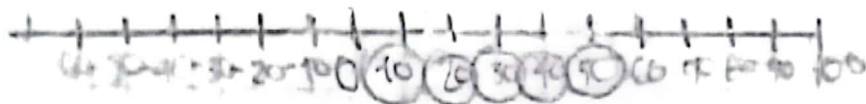
① 3, 6, 9, 12.



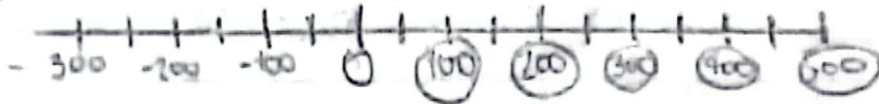
② 2, 4, 6, 8, 10



⑧ 10, 20, 30, 40, 50



⑨ 100, 200, 300, 400, 500



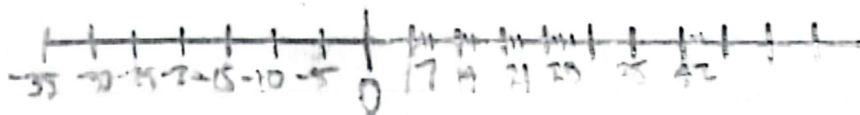
⑩ 1000, 2000, 3000, 4000



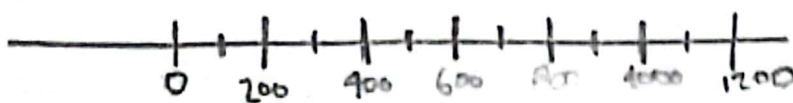
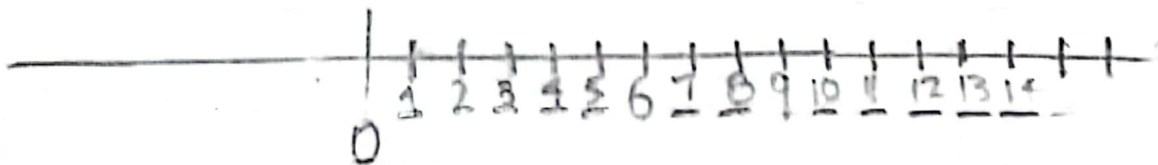
⑪ 50, 100, 150, 200, 250, 300



⑫ 7, 14, 21, 28, 35, 42



⑬ complete la semivectora numerica



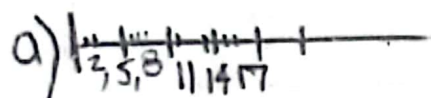
④ complete la secuencia y escribe en
seulivecto

a 2, 5, 8, 11, 14 17

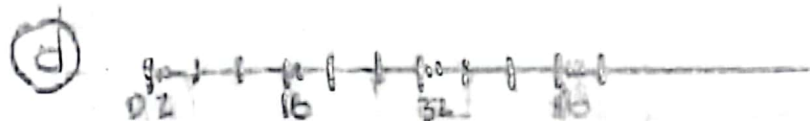
c 3, 6, 9, 12, 15, 18

b 1, 2, 4, 7 _____

d 2, 16, 32, 48



b)



⑤ a) $28 < 39$

c) $2008 < 2012$ e) $2010 > 2001$

b) $1009 < 1101$

d) $1800 < 3010$

⑥ 1 Verdadero
2 Falso
3 Verdadero
4 Verdadero

⑦ (15) Cerdos (25) Gallinas (28) Conejos (24) Ovejas

a) Mayor numero conejos c) 15 cerdos 25 gallinas 28 conejos 24 ovejas
b) cerdos.

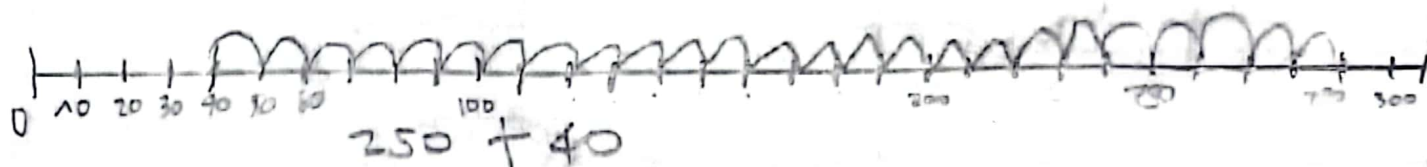
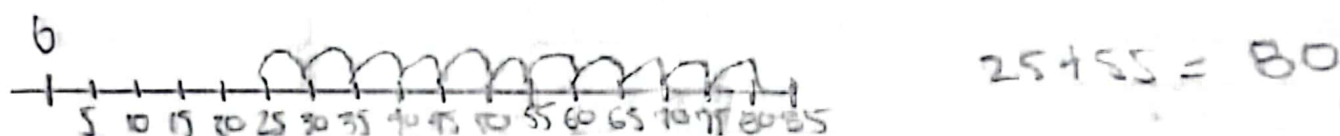
⑧ total animales 92

⑧ $-3 < 1$ $0 = 0$ $2 < 3$
 $0 < 1$ $-2 < 2$ $-1 < 0$

9

+	23	45	62	730
100	123	145	162	830
80	103	125	142	90
0	23	45	62	70
93	116	138	155	823

10 Represente la suma en semivértice



11 72 veces x um

1h 72 x 60 = 4.320 veces por hora

4.320 x 8.760 h año = 37.843.200

70 años x 37.843.200 = 2.649.024.000

(12) $audres\ 1.52 = 15\ \text{unidades}$

$alicia\ mide\ 1.37$

$antonio\ mide\ 1.58$

(13) $7^2 = 49$

$5^5 = 3125$

$10^6 = 1'000.000$

$2^7 = 128$

$4^5 = 1024$

7^2

9^5

(14) $\underset{\text{Base}}{3}^{\text{exponente } 5} = 243$

$7^3 = 343$

$5^2 = 25$

$5^4 = 625$

$8^2 = 64$

$4^3 = 64$

$2^5 = 32$

$1^4 = 1$

⑮ $\sqrt{9} = 3$ $\sqrt[4]{625} = 5$ $\sqrt{144} = 12$ $\sqrt{81} = 9$

$\sqrt[7]{128} = 2$

$\sqrt[5]{32} = 2$

⑮ a) $\begin{array}{r|l} \text{MCM} & \\ 35 & 45 \\ 35 & 15 \\ 35 & 5 \\ 7 & 1 \\ 1 & \end{array} \begin{array}{l} 3 \\ 3 \\ 5 \\ 7 \\ \end{array}$

$\text{MCM}.$
 $3^2 \cdot 5 \cdot 7 = 315$

$\begin{array}{r|l} \text{MCD} & \\ 35 & 45 \\ 7 & 9 \\ \end{array} \begin{array}{l} 5 \\ \end{array}$

$\text{MCD} = 5.$

b) $\begin{array}{r|l} \text{MCM} & \\ 125 & 120 \\ 125 & 60 \\ 125 & 30 \\ 125 & 15 \\ 125 & 5 \\ 25 & 1 \\ 5 & \\ 1 & \end{array} \begin{array}{l} 2 \\ 2 \\ 2 \\ 3 \\ 5 \\ 5 \\ 5 \\ \end{array}$

$\text{MCM}.$
 $2^3 \cdot 3 \cdot 5^3 = 3000$

$\begin{array}{r|l} \text{MCD} & \\ 125 & 120 \\ 25 & 24 \\ \end{array} \begin{array}{l} 5 \\ \end{array}$

$\text{MCD} = 5$

c) $\begin{array}{r|l} 72 & 48 \\ 36 & 24 \\ 18 & 12 \\ 9 & 6 \\ 9 & 3 \\ 3 & 1 \\ 1 & \end{array} \begin{array}{l} 2 \\ 2 \\ 2 \\ 2 \\ 3 \\ 3 \\ \end{array}$

$\text{MCM}.$
 $2^4 \cdot 3^2 = 144$

$\begin{array}{r|l} 72 & 48 \\ 36 & 24 \\ 18 & 12 \\ 9 & 6 \\ 3 & 2 \\ \end{array} \begin{array}{l} 2 \\ 2 \\ 2 \\ 3 \\ \end{array}$

$\text{MCD} = 2^3 \cdot 3 = 24$

$$\begin{array}{l|l|l}
 \text{d) } 27 & 54 & 2 \\
 27 & 27 & 3 \\
 9 & 9 & 3 \\
 3 & 3 & 3 \\
 1 & 1 &
 \end{array}
 \quad
 \begin{array}{l|l|l}
 27 & 54 & 3 \\
 9 & 18 & 3 \\
 3 & 6 & 3 \\
 1 & 2 &
 \end{array}$$

$$3^3 \cdot 2 = 54 \quad 3^3 = 9 \text{ Mcd}$$

$$\begin{array}{l|l|l}
 \text{e) } 100 & 230 & 2 \\
 50 & 115 & 2 \\
 25 & 115 & 5 \\
 5 & 23 & 5 \\
 1 & 23 & 23 \\
 & 1 &
 \end{array}
 \quad
 \begin{array}{l|l|l}
 100 & 230 & 2 \\
 50 & 115 & 5 \\
 10 & 23 &
 \end{array}$$

$$2^2 \cdot 5^2 \cdot 23 = 2300 \text{ MCM} \quad 5 \cdot 2 = 10 \text{ MCD}$$

$$\begin{array}{l|l|l}
 \text{f) } 98 & 121 & 2 \\
 44 & 121 & 2 \\
 22 & 121 & 2 \\
 11 & 121 & 11 \\
 1 & 121 & 121 \\
 & 1 &
 \end{array}
 \quad
 \begin{array}{l}
 98, 121 \\
 \text{No prime} \\
 \text{Mcd}
 \end{array}$$

$$2^3 \cdot 11 \cdot 121 = 10,648 \text{ MCM}$$

$$\begin{array}{l|l|l}
 \text{g) } 320 & 240 & 2 \\
 160 & 120 & 2 \\
 80 & 60 & 2 \\
 40 & 30 & 2 \\
 20 & 15 & 2 \\
 10 & 15 & 2 \\
 5 & 15 & 3 \\
 5 & 5 & 5 \\
 1 & 1 &
 \end{array}
 \quad
 \begin{array}{l|l|l}
 320 & 240 & 2 \\
 160 & 120 & 2 \\
 80 & 60 & 2 \\
 40 & 30 & 2 \\
 20 & 15 &
 \end{array}$$

$$2^6 \cdot 3 \cdot 5 = 960 \text{ MCM } 960 \quad 2^4 = 16 \text{ MCD}$$

$$\begin{array}{r|l}
 \begin{array}{cc}
 81 & 63 \\
 27 & 21 \\
 9 & 7 \\
 3 & 7 \\
 1 & 7 \\
 & 1
 \end{array} & \begin{array}{l}
 3 \\
 3 \\
 3 \\
 3 \\
 7 \\
 7
 \end{array}
 \end{array}$$

$$\begin{array}{r|l}
 \begin{array}{cc}
 81 & 63 \\
 27 & 21 \\
 9 & 7
 \end{array} & \begin{array}{l}
 3 \\
 3 \\
 7
 \end{array}
 \end{array}$$

$$\text{MCD} = 3^2 = 9$$

$$3^4 \cdot 7 = 567 \text{ MCM}$$

$$\begin{array}{r|l}
 \begin{array}{cc}
 \sqrt{175} & \sqrt{225} \\
 175 & 225 \\
 35 & 45 \\
 7 & 9 \\
 7 & 3 \\
 7 & 1 \\
 1 &
 \end{array} & \begin{array}{l}
 5 \\
 5 \\
 3 \\
 3 \\
 3 \\
 7
 \end{array}
 \end{array}$$

$$5^2 \cdot 3^2 \cdot 7$$

$$= 1575$$

$$\text{MCM}$$

$$\begin{array}{r|l}
 \begin{array}{cc}
 175 & 225 \\
 35 & 45 \\
 7 & 9
 \end{array} & \begin{array}{l}
 5 \\
 5 \\
 3
 \end{array}
 \end{array}$$

$$5^2 = 25$$

$$\text{MCD}$$

$$\begin{array}{r|l}
 \begin{array}{cc}
 16 & 40 \\
 8 & 20 \\
 4 & 10 \\
 2 & 5 \\
 1 & 5 \\
 & 1
 \end{array} & \begin{array}{l}
 2 \\
 2 \\
 2 \\
 2 \\
 5 \\
 5
 \end{array}
 \end{array}$$

$$2^4 \cdot 5 = 80 \text{ MCM}$$

$$16, 40 \mid 2 \text{ MCD} =$$

$$8, 20 \mid 2 \quad 2^3 = 8$$

$$4, 10 \mid 2$$

$$5, 5 \mid$$

folta K y 6.

$$\begin{array}{r|l}
 \begin{array}{cc}
 81 & 63 \\
 27 & 21 \\
 9 & 7 \\
 3 & 7 \\
 1 & 7 \\
 & 1
 \end{array} & \begin{array}{l}
 3 \\
 3 \\
 3 \\
 3 \\
 7 \\
 7
 \end{array}
 \end{array}$$

$$3^4 \cdot 7 = 567 \text{ MCM}$$

$$\begin{array}{r|l}
 \begin{array}{cc}
 81 & 63 \\
 27 & 21 \\
 9 & 7
 \end{array} & \begin{array}{l}
 3 \\
 3 \\
 7
 \end{array}
 \end{array}$$

$$\text{MCD} = 3^2 = 9$$

$$\begin{array}{r|l}
 \begin{array}{cc}
 \checkmark & \checkmark \\
 175 & 225 \\
 35 & 45 \\
 7 & 9 \\
 7 & 3 \\
 7 & 1 \\
 1 &
 \end{array} & \begin{array}{l}
 5 \\
 5 \\
 3 \\
 3 \\
 7 \\
 7
 \end{array}
 \end{array}$$

$$5^2 \cdot 3^2 \cdot 7$$

$$= 1575$$

$$\text{MCM}$$

$$\begin{array}{r|l}
 \begin{array}{cc}
 175 & 225 \\
 35 & 45 \\
 7 & 9
 \end{array} & \begin{array}{l}
 5 \\
 5 \\
 7
 \end{array}
 \end{array}$$

$$5^2 = 25$$

$$\text{MCD}$$

$$\begin{array}{r|l}
 \begin{array}{cc}
 16 & 40 \\
 8 & 20 \\
 4 & 10 \\
 2 & 5 \\
 1 & 5 \\
 & 1
 \end{array} & \begin{array}{l}
 2 \\
 2 \\
 2 \\
 2 \\
 5 \\
 5
 \end{array}
 \end{array}$$

$$2^4 \cdot 5 = 80$$

$$\text{MCM}$$

$$\begin{array}{r|l}
 \begin{array}{cc}
 16 & 40 \\
 8 & 20 \\
 4 & 10 \\
 2 & 5
 \end{array} & \begin{array}{l}
 2 \\
 2 \\
 2 \\
 5
 \end{array}
 \end{array}$$

$$\text{MCD} =$$

$$2^3 = 8$$

folta K y l.

$$\begin{array}{r|l}
 18, 24, 30 & 2 \\
 9, 12, 15 & 2 \\
 9, 6, 15 & 2 \\
 9, 3, 15 & 3 \\
 3, 1, 5 & 3 \\
 1, 1, 5 & 5
 \end{array}$$

$$M.C.M = 2^2 \cdot 3^2 \cdot 5 = 360$$

$$\begin{array}{r|l}
 18, 24, 30 & 3 \\
 6, 8, 10 & 2 \\
 3, 4, 5 &
 \end{array}$$

$$M.C.D = 3 \cdot 2 = 6$$

$$\begin{array}{r|l}
 76, 240 & 2 \\
 38, 120 & 2 \\
 19, 60 & 2 \\
 19, 30 & 2 \\
 19, 15 & 3 \\
 19, 5 & 5 \\
 19, 1 & 19 \\
 1 &
 \end{array}$$

$$M.C.M = 2^4 \cdot 3 \cdot 5 \cdot 19 = 4560$$

$$\begin{array}{r|l}
 76, 240 & 2 \\
 38, 120 & 2 \\
 19, 60 &
 \end{array}$$

$$M.C.D = 2^2 = 4$$

Taller de números fraccionarios

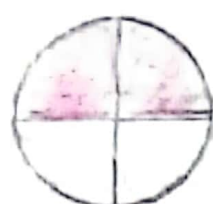
①  = $\frac{1}{3}$

  = $\frac{2}{2}$

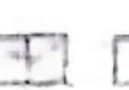
  = $\frac{2}{3}$

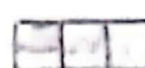
    = $\frac{4}{2}$

 = $\frac{3}{9}$

 = $\frac{2}{4}$

   = $\frac{3}{2}$

       = $\frac{7}{3}$

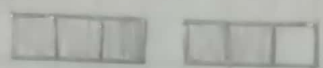
      

  = $\frac{2}{3}$

Taller de números fraccionarios

①  = $\frac{2}{3}$

 = $\frac{4}{2}$

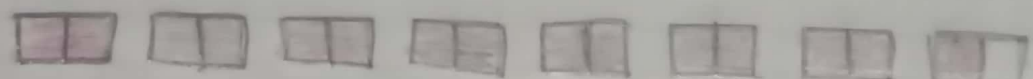
 = $\frac{5}{3}$

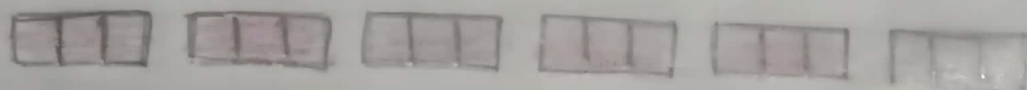
 = $\frac{7}{2}$

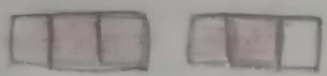
 = $\frac{3}{9}$

 = $\frac{2}{4}$

 = $\frac{5}{2}$

 = $\frac{15}{2}$



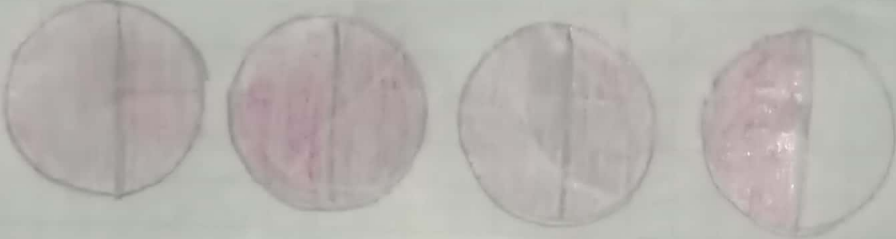
 = $\frac{23}{3}$

Taller de números fraccionarios

①  = $\frac{2}{3}$

 = $\frac{4}{2}$

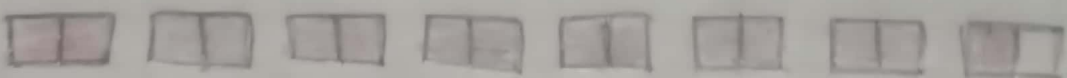
 = $\frac{5}{5}$

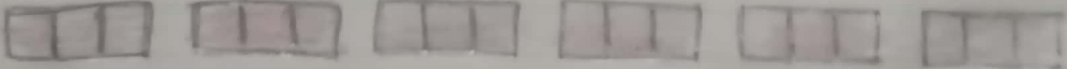
 = $\frac{7}{2}$

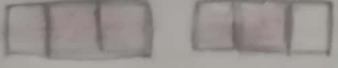
 = $\frac{3}{9}$

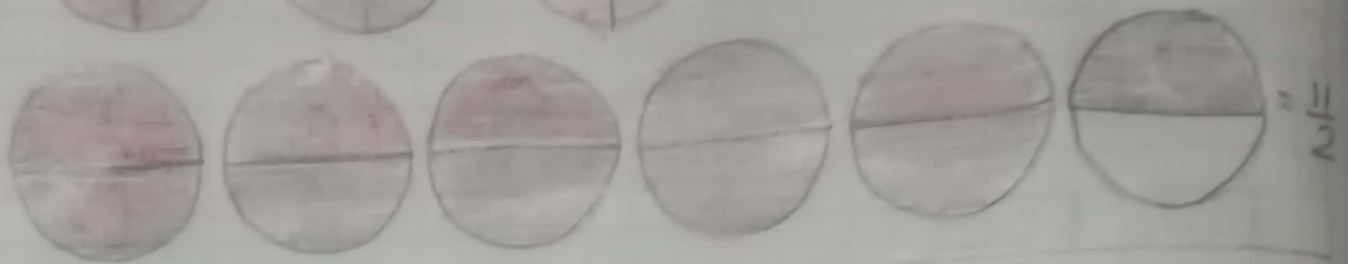
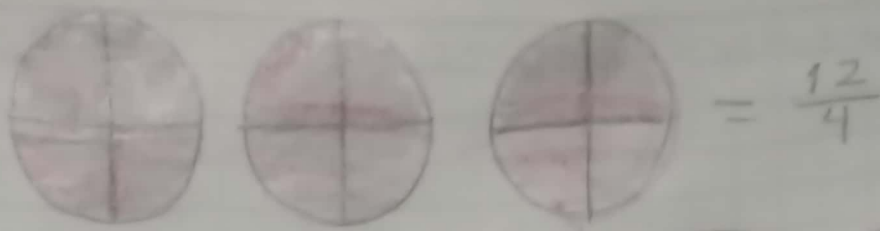
 = $\frac{2}{4}$

 = $\frac{5}{2}$

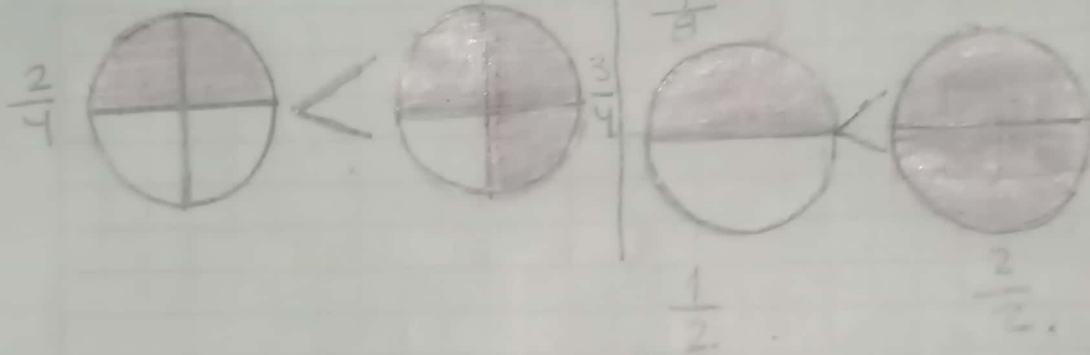
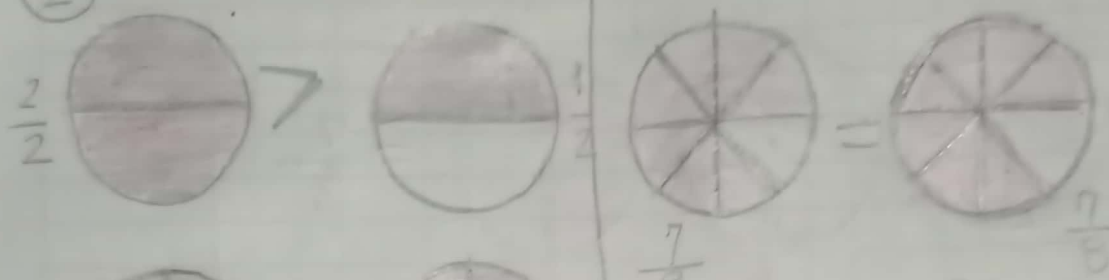
 = $\frac{15}{2}$



 = $\frac{23}{3}$



②



③ $8 \cdot \frac{3}{4}$ $\frac{8 \cdot 3}{1 \cdot 4} = \frac{24}{4}$ $5\frac{4}{4}$

$5 \cdot \frac{3}{7}$ $\frac{5 \cdot 3}{1 \cdot 7} = \frac{15}{7}$ $2\frac{1}{7}$

$2 \cdot \frac{4}{9}$ $\frac{2 \cdot 4}{1 \cdot 9} = \frac{8}{9}$ $\frac{8}{9}$

$7 \cdot \frac{3}{5}$ $\frac{7 \cdot 3}{1 \cdot 5} = \frac{21}{5}$ $4\frac{1}{5}$

$6 \cdot \frac{2}{3}$ $\frac{6 \cdot 2}{1 \cdot 3} = \frac{12}{3}$ 4

④ Solución de situaciones con operaciones con fraccionarios:

a) $\frac{1}{4}$ tomates $\frac{2}{5}$ alubias, el resto 280m² Papalapa

¿superficie total de la huerta? 800m².

$$\frac{1}{4} + \frac{2}{5} = \frac{5 \times 1 + 4 \times 2}{4 \times 5} = \frac{13}{20} \quad \frac{20}{20} - \frac{13}{20} = \frac{7}{20} = 280\text{m}^2$$

$$\begin{array}{r} 40\text{m}^2 \times \\ 13 \\ \hline 120 + \\ 40 \end{array}$$

$$520\text{m}^2 + 280\text{m}^2 = 800\text{m}^2$$

b) El paso de una persona $\frac{7}{8}$ de mt

que distancia recorre con 1000 pasos

¿cuantos pasos debe dar para recorrer 1.400 mt?

$$\frac{100\text{ cm}}{8} = 12,5 \times 7 = 87,5 \text{ cm} \times 1000 \text{ pasos} = \frac{87.500 \text{ cm}}{100}$$

= 875 mt. recorre con 1000 pasos.

$$\frac{1.400 \times 100 \text{ cm}}{87,5} = \frac{140.000}{87,5} = 1.600 \text{ pasos debe dar}$$

Para recorrer 1.400 mt.

c) $\frac{3}{8}$ de litro en un frasco.

Puedo llenar
12 frascos de
Jarabe

$$\frac{1.000 \text{ ml}}{8} = 125 \times 3 = 375 \text{ ml}$$

$$4,5 \text{ litros} \times 1.000 \text{ ml} = \frac{4500 \text{ ml}}{375} = 12$$

Taller de Geometría

1. ES un cuadrilátero cuyos pares de lados opuestos son iguales y paralelos dos a dos

$$\textcircled{2} \text{ radio } r = 22,6 \text{ cm}$$

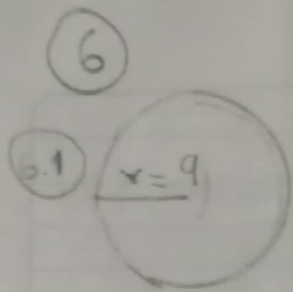
$$P = 2 \cdot \pi \cdot 22,6 \text{ cm} = 441,99 \text{ cm}$$

$$A = 22,6^2 \cdot \pi = 1604,599 \text{ cm}^2$$

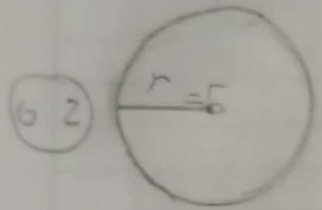
$$\textcircled{3} C = 2 \cdot \pi \times 8,74 \text{ cm} = 54,91503958 \text{ cm}^2$$

$$4 = \text{un área de } 21 \text{ cm}^2$$

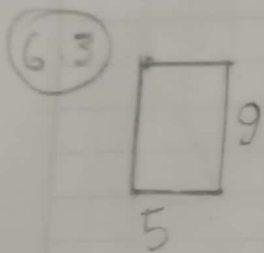
$$5 = \text{un área de } 4 \text{ cm}^2$$



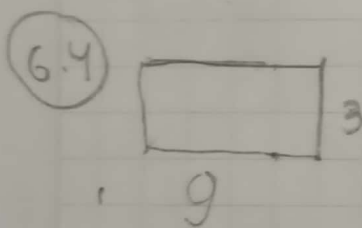
$$C = 2 \cdot \pi \cdot 9 = 56.54 \text{ cm}^2$$



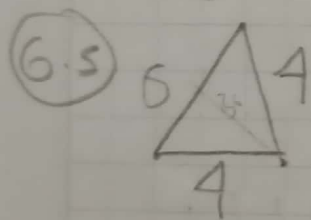
$$C = 2 \cdot \pi \cdot 5 = 31.41 \text{ cm}^2$$



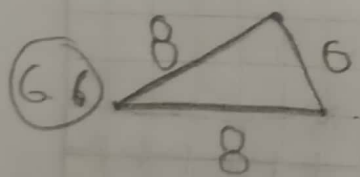
$$P = 5 \times 9 = 45 \text{ cm}^2$$



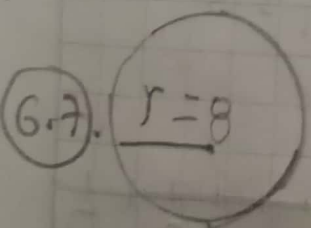
$$P = 9 \times 3 = 27 \text{ cm}^2$$



$$P = \frac{1}{2} \times 4 \times 3 = 6 \text{ cm}^2$$



$$P = \frac{1}{2} \times 8 \times 6 = 24 \text{ cm}^2$$



$$C = 2 \times \pi \times 8 = 50.26 \text{ cm}^2$$

Taller de números enteros

① Números enteros por el expresan valor numérico.

a) 6000 m = +6000

b) 15°C bajo cero = -15

c) 582 a.c = -582

d) \$150.000 = +150.000

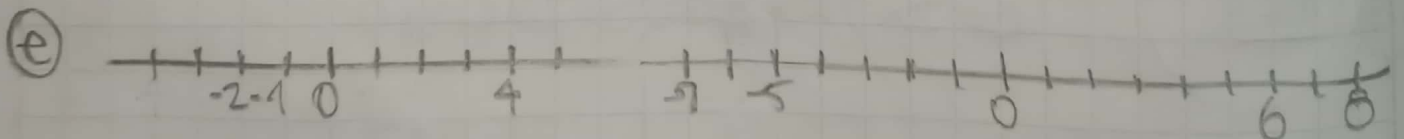
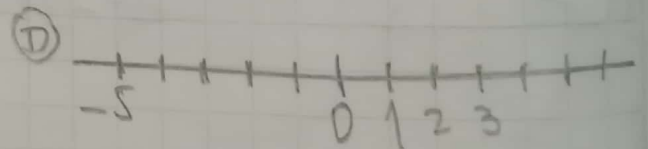
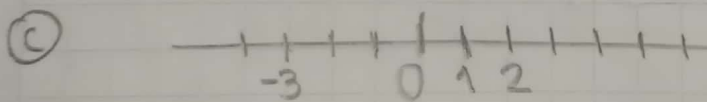
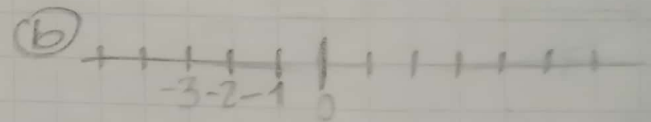
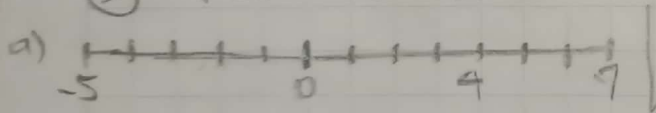
e) 1m de profundidad = -1

②

$3 \in \mathbb{Z}$, $8 \notin \mathbb{Z}$, $-15 \in -\mathbb{Z}$

$-5 \in -\mathbb{Z}$, $7 \in \mathbb{Z}$, $-6 \notin -\mathbb{Z}$, $-18 \in \mathbb{Z}$

③ recta numérica



9) temperatura 116° 58°
Antártida -88
146° de diferencia.

10) Camila 73 euros c/mes 21 euros saca 11.
seis meses. $126 - 66$
 $73 + 60 = 133$ euros en 6 meses

11) c/h 2 euros +.

a) 32 horas.

b) Rosa gana 448 euros.

12)

13) 155 euros

2) 60 euros

3) 115 euros.

230 euros de repartición

14) Manoli 46 años. Manoli tendrá 57 cuando
hijo 17 su hijo tenga 28

⑮ 1500 Folios $\times$ 7 Días = 10.500 folios.
1 mes 42.000

504 Euros es el gasto en el mes de
abril.