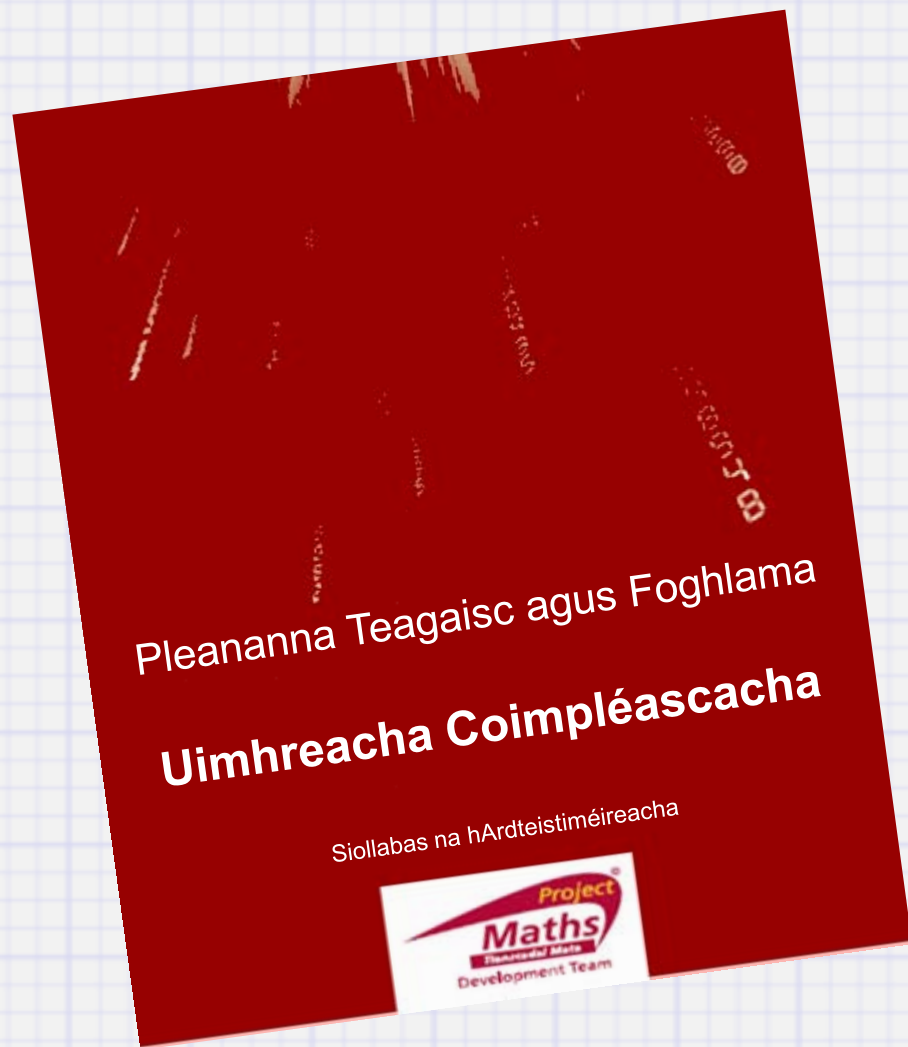


# Snáithe 3: Uimhir



# Tá codáin furasta!

- Leathchupán tae
- Ceathrú uaire an chloig
- Trí cheathrú lán



Machnaigh ar seo!

$$\frac{2}{3} \text{ of } \frac{4}{5} = ?$$

# Tuairiscí Príomhscrúdaitheoirí

ATAL - 2000

"Léirigh freagraí na n-iarrthóirí laigí sna hachair shonracha seo a leanas: **láimhseáil codán**"

ATAL - 2005

"Cealú earráideach i **gcodáin ailgéabracha**."

ATBL - 2005

"Arís chruthaigh **codáin** deacrachtaí do mhórán"  
" ..dheallródh sé nach dtuigtear **codáin** go rómhaith."

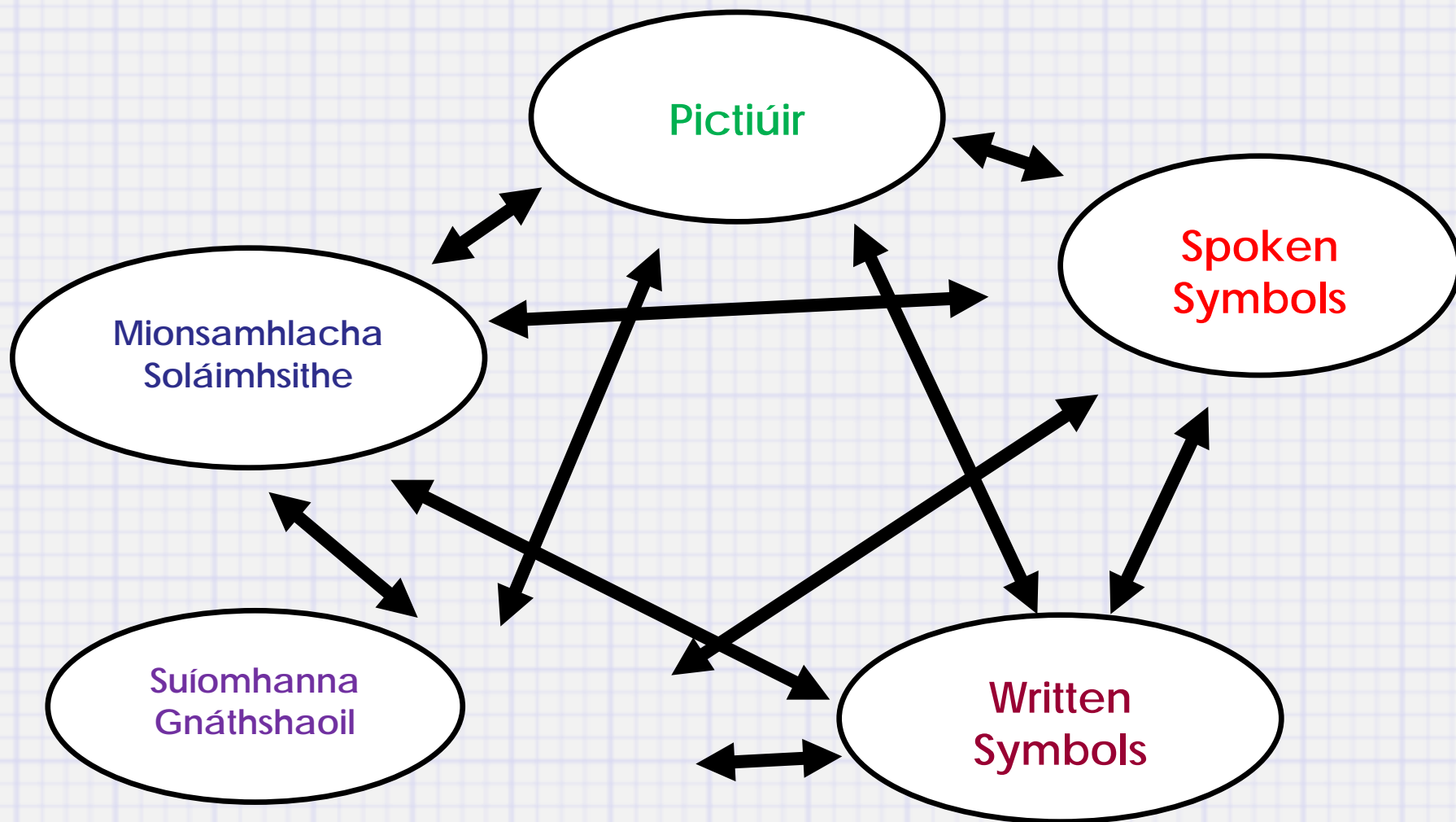
TSGL - 2006

"Ar na hearráidí ba choitianta bhí: **míláimhseáil codán** nó na fréimhe cearnaí; suimiú roimh mhéadú."

TSAL - 2006

"Achair le laigí i bhfeidhmíocht na n-iarrthóirí: **codáin ailgéabracha** a shimpliú."

# Mionsamhail Aistriúcháin Lesh



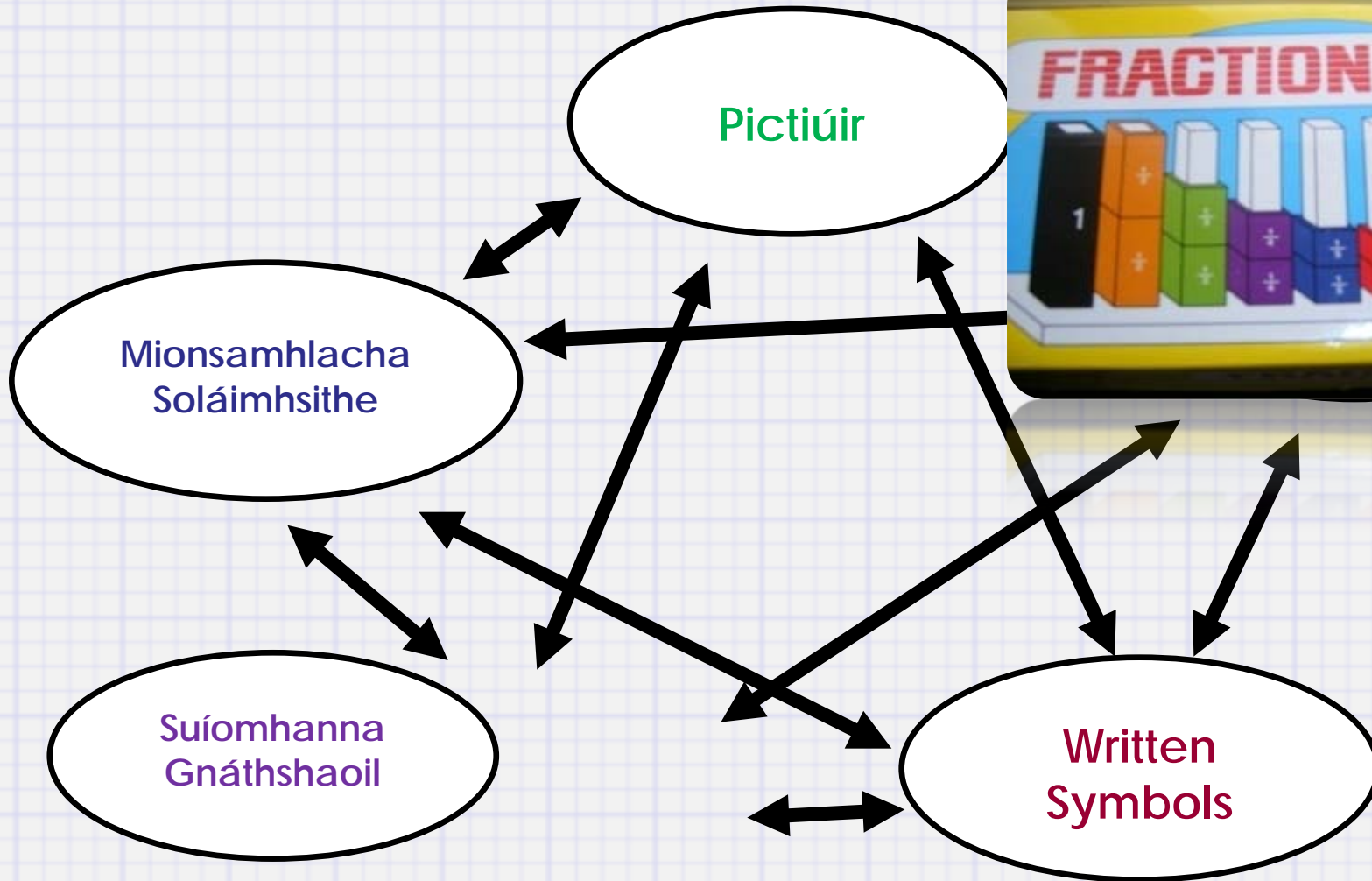
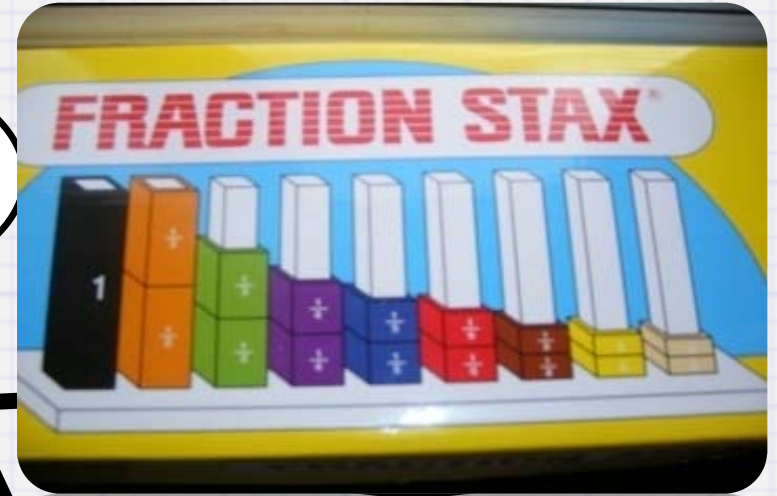
# Mionsamhail Aistriúcháin Lesh

Pictiúr

Mionsamhlacha  
Soláimhsithe

Suíomhanna  
Gnáthshaoil

Written  
Symbols



# Mionsamhail Aistriúcháin Lesh

Pictiúir

Mionsamhlacha  
Soláimhsithe

Suíomhanna  
Gnáthshaoil



# Ciúbanna Unifix

Tá 4 phizza ag Cara dá cósir.

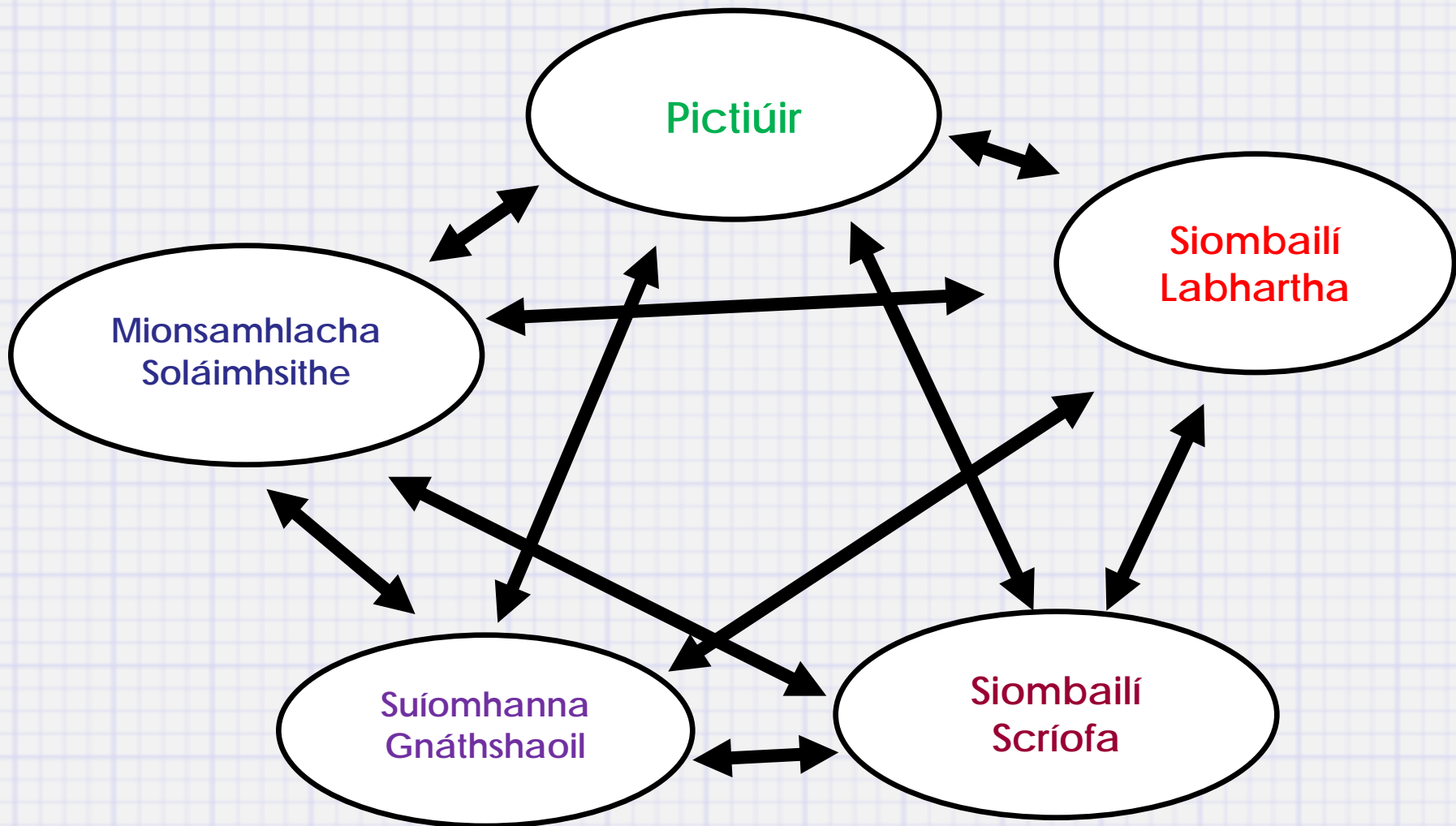
Déanann sí cinneadh gur  $\frac{3}{5}$  de phizza a bheidh i gcion duine.

An bhfaighidh sí  $6\frac{2}{3}$  nó  $6\frac{2}{5}$  cion as na 4 phizza?






# Mionsamhail Aistriúcháin Lesh



# Falla Codán



+	1/1													?
-	1/1													?
+	1/1			1/1							1/1			?
-	1/1													?
+	1/1													?
-	1/1													?
+	1/1													?
-	1/1													?

ROWS 5 Show labels

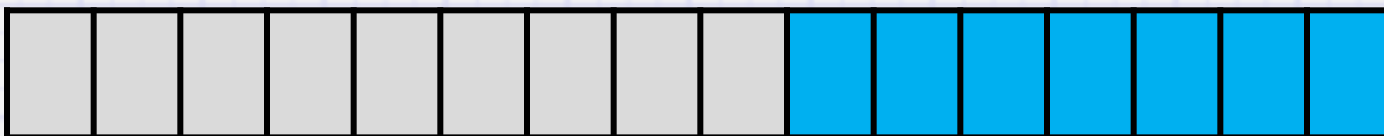
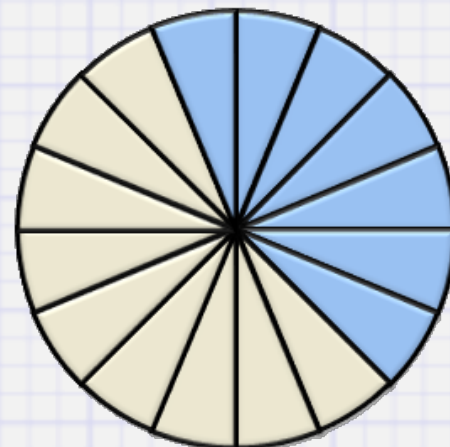
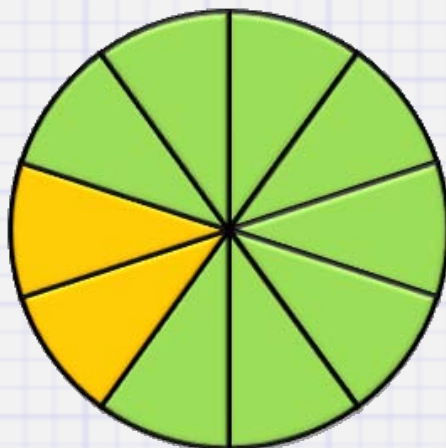
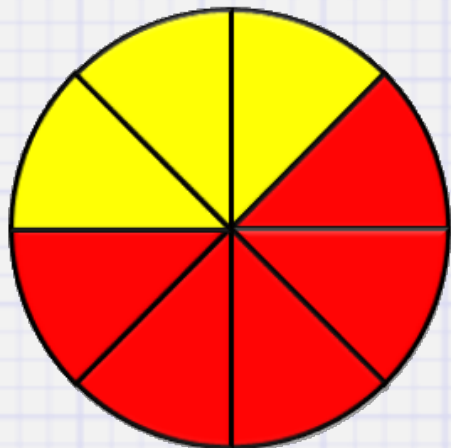
Fractions

Percentage

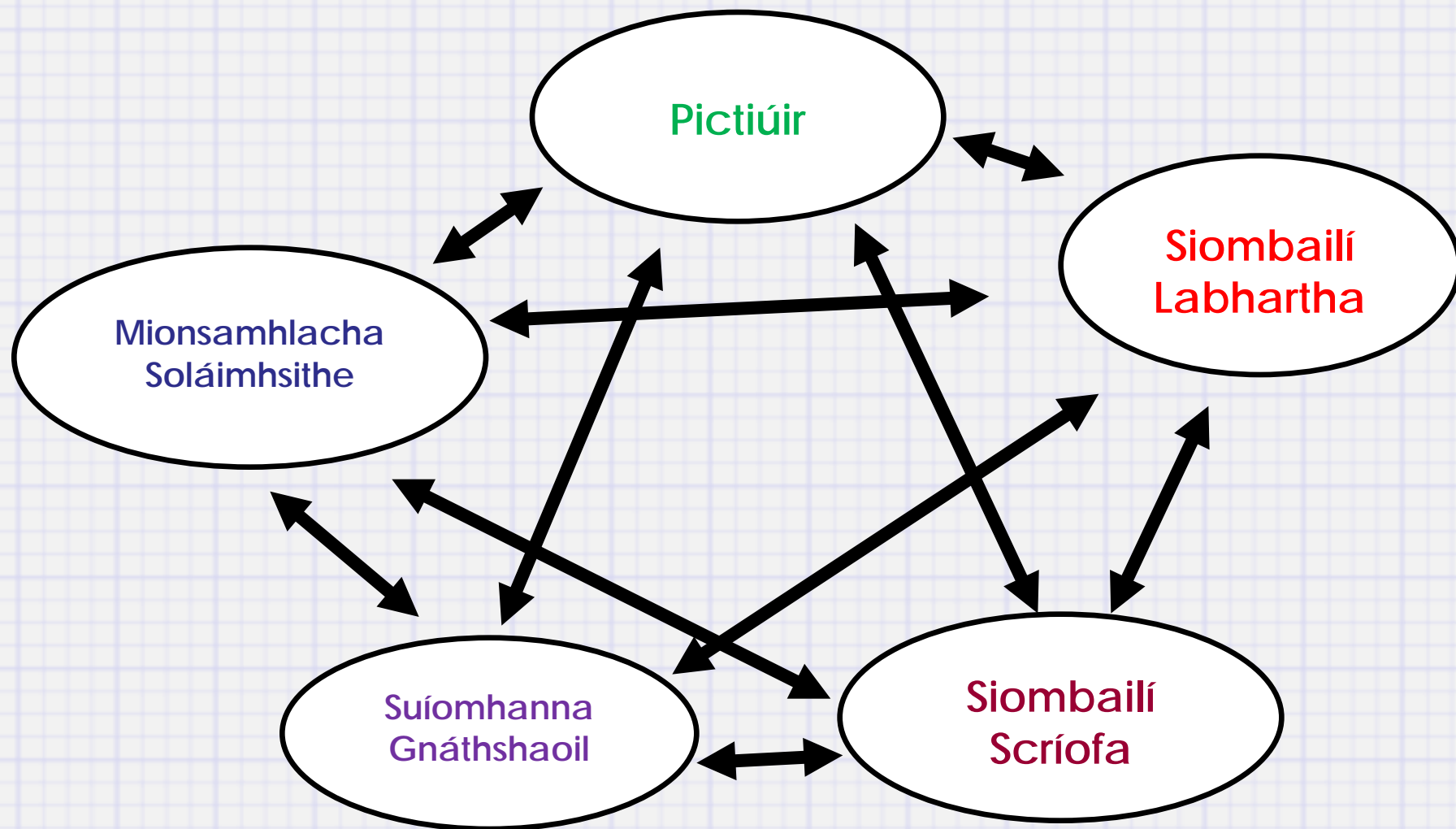
Decimal

Ratio

# Stiallacha Codán & Ciorcail Chodán



# Mionsamhail Aistriúcháin Lesh



# Forbhreathnú ar Chodáin

Réamheolas

Triail  
Dhiagnóiseach

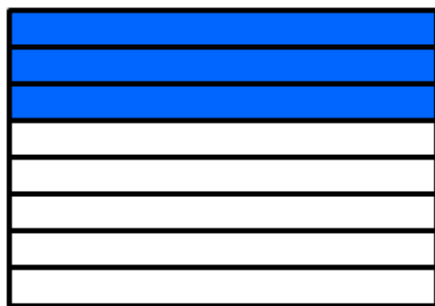
A large, 3D-style blue arrow points diagonally upwards and to the right. It originates from the bottom-right corner of a pink rounded rectangle. The pink rectangle contains the text 'Triail' and 'Dhiagnóiseach' stacked vertically. The arrow's shaft is thick and tapers slightly towards the tip, which is a standard arrowhead shape.

# Triail Dhiagnóiseach

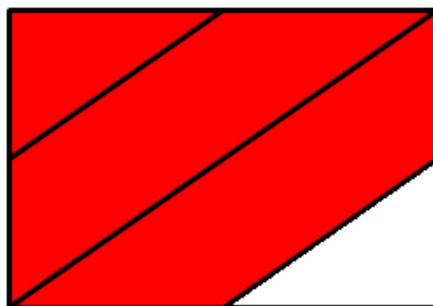
Cé acu de na dronuilleoga seo a bhfuil  $\frac{3}{4}$  di scáilithe isteach?

An mó é seo ná dronuilleog amháin?

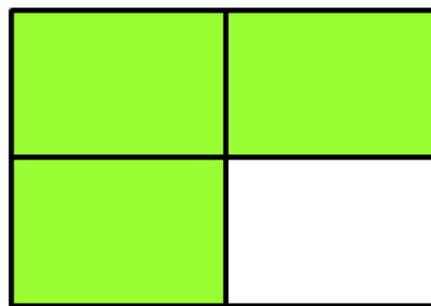
A.



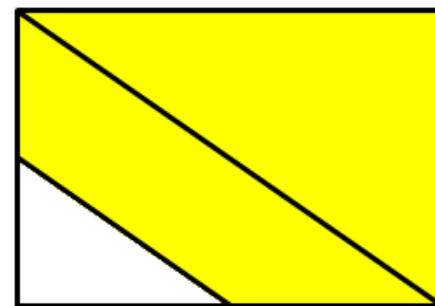
B.



C.



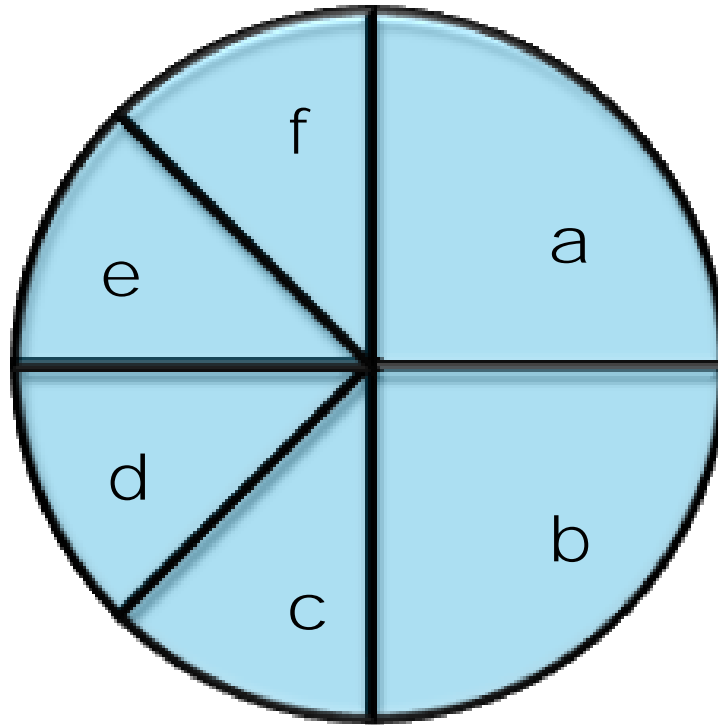
D.



Freagra:

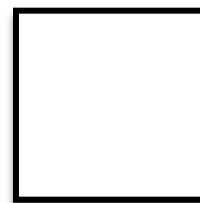
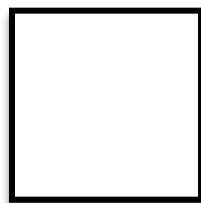
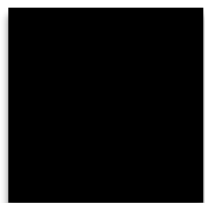
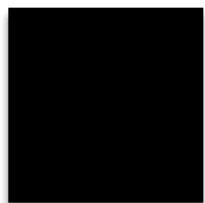
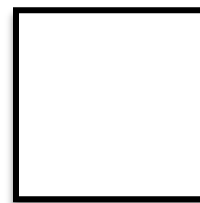
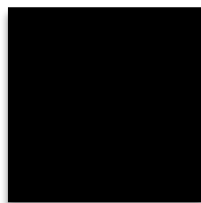
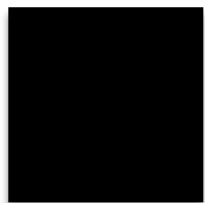
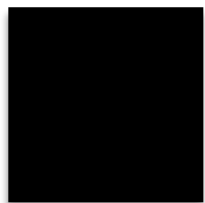
# Triail Dhiagnóiseach

Cén codán den chiorcal codán atá marcáilte 'f'?



Freagra:

# Triail Dhiagnóiseach



D'fhéadfadh an chuid scáilithe den léaráid seo seasamh do na huimhreacha:

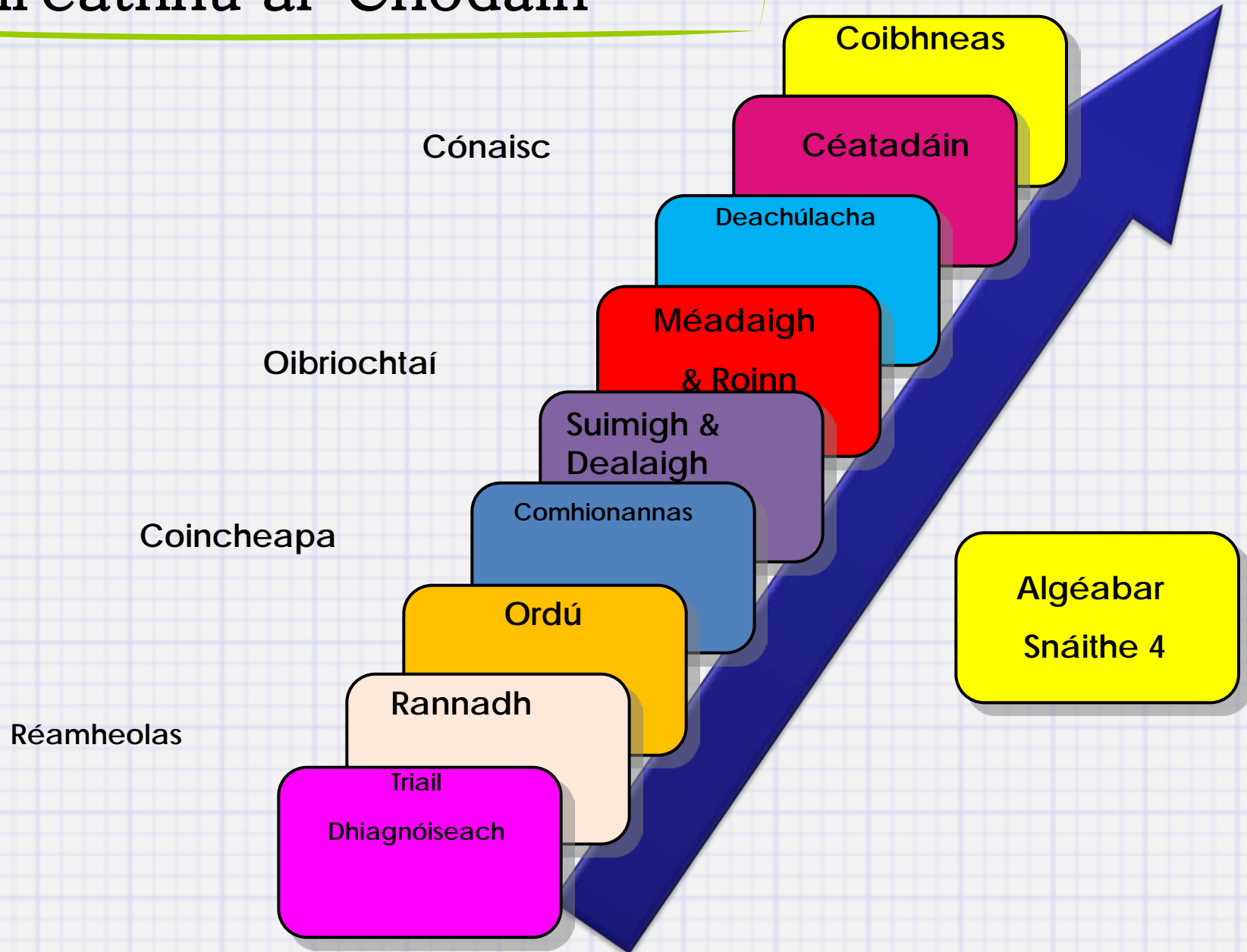
- (a) 5      (b)  $2\frac{1}{2}$       (c)  $\frac{5}{8}$       (d)  $1\frac{1}{4}$

Sainaithin an t-aonad i ngach cás trí líníocht a tharraingt:

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



# Forbhreathnú ar Chodáin



# Coincheapa

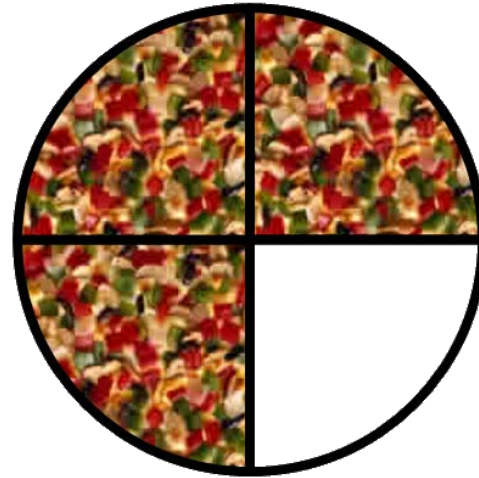
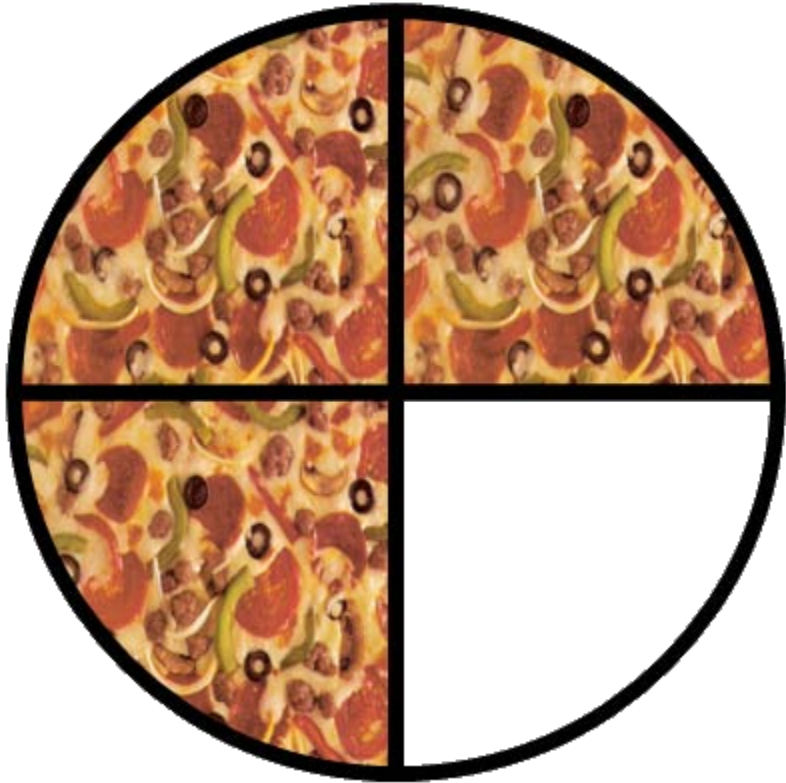
- Rannadh
  - Ordú
    - Comhionannas

*Cúiseanna le rialacha ~  
Uirlisí seiceála*

# Coincheapa

An ionann  $\frac{3}{4}$  i gcónaí?

Ni hionann ach amháin nuair is ionann an **t-aonad**.



# Coincheapa

Cé acu is mó:  $\frac{3}{7}$  nó  $\frac{5}{7}$ ?

# Coincheapa

Cé acu is mó:  $\frac{3}{7}$  nó  $\frac{5}{7}$ ?

Is mó  $\frac{5}{7}$  toisc go bhfuil níos mó  $\frac{1}{7}$  ann.

# Coincheapa

Cé acu is mó:  $\frac{3}{7}$  nó  $\frac{5}{7}$ ?

Is mó  $\frac{5}{7}$  toisc go bhfuil níos mó  $\frac{1}{7}$  ann.

Cé acu is mó:  $\frac{2}{3}$  nó  $\frac{2}{5}$ ?

# Coincheapa

Cé acu is mó:  $\frac{3}{7}$  nó  $\frac{5}{7}$ ?

Is mó  $\frac{5}{7}$  toisc go bhfuil níos mó  $\frac{1}{7}$  ann.

Cé acu is mó:  $\frac{2}{3}$  nó  $\frac{2}{5}$ ?

$$\frac{1}{3} > \frac{1}{5} \Rightarrow \frac{2}{3} > \frac{2}{5}$$

# Coincheapa

Cé acu is mó:  $\frac{3}{7}$  nó  $\frac{5}{7}$ ?

Is mó  $\frac{5}{7}$  toisc go bhfuil níos mó  $\frac{1}{7}$  ann.

Cé acu is mó:  $\frac{2}{3}$  nó  $\frac{2}{5}$ ?

$$\frac{1}{3} > \frac{1}{5} \Rightarrow \frac{2}{3} > \frac{2}{5}$$

Cé acu is mó:  $\frac{5}{9}$  nó  $\frac{3}{7}$ ?



# Coincheapa

Cé acu is mó:  $\frac{3}{7}$  nó  $\frac{5}{7}$ ?

Is mó  $\frac{5}{7}$  toisc go bhfuil níos mó  $\frac{1}{7}$  ann.

Cé acu is mó:  $\frac{2}{3}$  nó  $\frac{2}{5}$ ?

$$\frac{1}{3} > \frac{1}{5} \Rightarrow \frac{2}{3} > \frac{2}{5}$$

Cé acu is mó:  $\frac{5}{9}$  nó  $\frac{3}{7}$ ?

$$\frac{5}{9} > \frac{1}{2} \text{ agus } \frac{3}{7} < \frac{1}{2} \Rightarrow \frac{5}{9} > \frac{3}{7}$$

# Coincheapa

Cé acu is mó:  $\frac{3}{5}$  nó  $\frac{2}{3}$ ?

Má dhúbblaímid  $\frac{3}{5}$ , gheibhimid  $\frac{6}{5} = 1\frac{1}{5}$

Má dhúbblaímid  $\frac{2}{3}$ , gheibhimid  $\frac{4}{3} = 1\frac{1}{3}$

$$\frac{1}{3} > \frac{1}{5} \Rightarrow \frac{2}{3} > \frac{3}{5}.$$

# Méadú Slánuimhreacha

Is mian le Liz 4 bharra seacláide a thabhairt do gach duine dá 3 chárde. Conas a airmheofá an líon barraí atá ag teastáil uaiti?



- 3 méadaithe faoina 4 **nó** 4 trí huaire
- $4 + 4 + 4$  (Suimiú leantach)
- 3 ghrúpa de 4

# Slánuimhir a Mhéadú faoi Chodán

Tá cuireadh tugtha ag Barry do 4 dá chairde teacht chun tí chuige le haghaidh pizza. Tá sé ar intinn aige  $\frac{2}{3}$  de phizza an duine a thabhairt dóibh.

(a) Cén chaoi a bhfuil sé seo cosúil leis na bhfadhb dheireanach?



# Obair Bheirte

Cé mhéad pizza a bheidh ag teastáil ó Barry dá chairde?



# Póstaer/ Cláir Bhána

- Pictiúr/Focail
- Abairt Mhéadaithe
- ...grúpaí de...
- Méadú leantach

# Obair Bheirte

Má mhéadaím  $4 \times \frac{2}{3}$  cén freagra mícheart ab fhéidir liom a fháil, dar leat?

Breathnaímis ar an uimhir 4.



# Obair Bheirte

Conas a tharlaíonn  $\left\{ \begin{array}{l} \frac{4}{1} \times \frac{2}{3} = \frac{8}{3} \text{ agus} \\ \frac{4}{1} + \frac{2}{3} = 4\frac{2}{3} ? \end{array} \right.$

# Codán faoi Chodán

Tá  $\frac{2}{5}$  dá cáca dronuilleogach fágtha  
ag Cara tar éis a cóisire.

D'ith sí  $\frac{3}{4}$  dá raibh fágtha.

Cá mhéad den cháca iomlán é seo?

