



Mata Rang 4: Seans

18ú – 22ú Bealtaine

Caibidil 36 Seans

Déan na pictiúir a phlé. Cén dóchúlacht atá ann...

dóchúil

neamhdhóchúil

riamh

cinnte

1.



... go rachaidh sí ar thuras go dtí an ghealach?

2.



... go bhfoghlaiméoidh sé conas carr a thiomáint?

3.



... go mbeidh an scoil dúnta i mí Iúil?

4.



... go dtiocfaidh dalta nua isteach sa rang an téarma seo chugainn?

5.



... go dtéann na mílte carr thar an teach seo gach lá?

6.



... gur bhuaigh sí bonn don 100m ar scoil chomh maith?

Seans / Probability

Déan na pictiúir a phlé.

Discuss the pictures. What is the probability of...

- Dóchúil – probable
- Neamhdhóchúil - maybe
 - Riamh – never
 - Cinnte – certain

1. Go rachaidh sí ar thuras go dtí an ghealach? *That she will go to the moon?*
2. Go bhfoghlaiméoidh sé conas carr a thiomáint? *That he will learn to drive?*
3. Go mbeidh an scoil dúnta i Mí Iúil? *That school will be closed in July?*
4. Go dtiocfaidh dalta nua isteach sa rang an téarma seo chugainn? *That a new pupil will start in your class next term?*
5. Go dtéann na mílte carr thar an teach seo gach lá? *That a thousand cars pass this house everyday?*
6. Gur bhuaigh sí bonn don 100 m ar scoil chomh maith? *That this athlete also won the 100m race when she was at school.*

Seans



1. (a) Caith díse 10 n-uaire. Cláraigh na torthaí anseo.

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(b) Cé mhéad de gach uimhir a fuair tú?

1	2	3	4	5	6

(c) An bhfuair do chara an toradh céanna? Anois coith an díse 20 uair.

(d) Cláraigh na torthaí ar bharragraf líneach.

Féach ar na pictiúir seo. Cén dóchúlacht atá ann go dtarlóidh gach ceann acu seo.

2.

Piocfaidh mé liathróid ghorm.
seans ar bith b'fhéidir cinnte

3.

Piocfaidh mé liathróid bhuí.
seans ar bith b'fhéidir cinnte

4.

Piocfaidh mé liathróid dhubh.
seans ar bith b'fhéidir cinnte

5.

Piocfaidh mé liathróid dhearg.
seans ar bith b'fhéidir cinnte

Ceist 1

- Caith díse 10 n-uaire. Cláraigh na torthaí. *Throw a die 10 times. Record your results in your copy.*
- Cé mhéad uair a fuair tú an uimhir 1, uimhir 2 srl.? *How many times did you get the number 1, number 2, etc.?*
- Anois, caith an díse 20 uair agus cláraigh na torthaí arís. *Now, do the same again but throw the die 20 times this time.*

Ceist 2 – 5

Féach ar na pictiúir. Cén dóchúlacht atá ann go dtarlóidh gach ceann díobh seo. *Look at the pictures. What is the probability of each of the following happening?*

- Seans ar bith – no chance
- B'fhéidir – maybe
- Cinnte – certainly

- Piocfaidh mé liathróid ghorm – *I will pick a blue ball*
- Piocfaidh mé liathróid bhuí – *I will pick a yellow ball.*
- Piocfaidh mé liathróid dhubh – *I will pick a black ball.*
- Piocfaidh mé liathróid dhearg – *I will pick a red ball.*

Seans

Tá 4 chiúb i mála – dhá cheann **ghorma**, ceann **dearg** agus ceann **glas**.



Má tharraingim ciúb as an mála, is dóchúla go mbeidh sé **gorm** toisc go bhfuil dhá chiúb **ghorma** ann.

Is iad na seansanna go mbeidh sé **gorm** ná ...

dhá sheans
as 4
 $\frac{2}{4}$

nó

1 seans
as 2
 $\frac{1}{2}$

Bain triail as. Piac ciúb as an mála **ceithre huaire**. (Cuir ar ais é gach uair agus croith an mála) Ar tharraing tú ciúb **gorm** **dhá uair** as na **ceithre** tharraingt? (An raibh tú ag súil leis sin?)

Bain triail as arís. An uair seo tarraing ciúb ón mála **20 uair**. Cé mhéad uair a tharraing tú ciúb **gorm**?



Ar tharraing tú ciúb gorm leath an ama?



An féidir bheith cinnte faoin toradh?

1. Cuir 4 chiúb i mála – 3 chiúb **ghorma** agus ciúb **dearg**.
Cad iad na seansanna go dtarraingeoidh tú ciúb **gorm**?
 as

Bain triail as. Tarraing agus cuir ar ais ceithre huaire.
2. Cuir 4 chiúb i mála – 3 chiúb **ghorma** agus ciúb **dearg**.
Cad iad na seansanna go dtarraingeoidh tú ciúb **dearg**?
 as

Bain triail as. Tarraing agus cuir ar ais ceithre huaire.
3. Cuir 6 chiúb i mála – 5 chiúb **dhearga** agus ciúb **gorm**.
Cad iad na seansanna go dtarraingeoidh tú ciúb **dearg**?
 as

Bain triail as. Tarraing agus cuir ar ais sé huaire.
4. Cuir 6 chiúb i mála – 5 chiúb **dhearga** agus ciúb **gorm**.
Cad iad na seansanna go dtarraingeoidh tú ciúb **gorm**?
 as

Bain triail as. Tarraing agus cuir ar ais sé huaire.
5. Cuir 6 chiúb i mála – 3 chiúb **ghorma**, 2 chiúb **dhearga** agus ciúb **glas**. Cad iad na seansanna go dtarraingeoidh tú ciúb **gorm**?
 as nó as

Bain triail as. Tarraing agus cuir ar ais dhá uair.
6. Cuir 6 chiúb i mála – 3 chiúb **ghorma**, 2 chiúb **dhearga** agus ciúb **glas**. Cad iad na seansanna go dtarraingeoidh tú ciúb **dearg**?
 as nó as

Bain triail as. Tarraing agus cuir ar ais trí huair.

Sampla / Example

There are 4 cubes in a bag – two blue, one red and one green.

If I take one cube from the bag, it will more than likely be blue because there are more blue cubes in the bag.

The chances of my picking a blue cube from the bag are two chances out of four or $2/4 = 1/2$

Ceist 1:

There are 4 cubes in a bag – 3 blue and one red.
What are the chances of picking a blue cube?

Ceist 2:

There are 4 cubes in a bag – 3 blue and one red.
What are the chances of picking a red cube?

Ceist 3:

There are 6 cubes in a bag – 5 red and one blue.
What are the chances of picking a red one?

Ceist 4:

There are 6 cubes in a bag – 5 red and one blue.
What are the chances of picking a blue one?

Ceist 5 & 6

There are 6 cubes in a bag – 3 blue, 2 red and one green.
What are the chances of picking a blue one?
What are the chances of picking a red one?
What are the chances of picking a green one?

Táblaí na Seachtaine '3', '6'

