



Mata

ó

Mheabhair



Naíonáin Mhóra



- Nuair atáimid ag suimiú beidh an freagra níos mó/

Demonstrate that when adding answer will be bigger

- Eg. $4 + 5 = 9$, $14 + 5 = 19$

- Nuair atáimid ag dealú beidh an freagra níos lú/Demonstrate that when subtracting answer will be smaller

- $9 - 4 = 5$, $19 - 5 = 14$

- Comhair in aonta, dónna, ar aghaidh agus ar gcúl/Count orally in 1's and 2's forwards and backwards within 20

2, 4, 6, 8, 10, 12, 14, 16, 18, 20

8, 7, 6, 5, 4, 3, 2, 1

16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6

Bheith eolach faoin uimhir roimh/idir/tar éis laistigh de

20/Know number after, before and between within 20

Céard í an uimhir tar éis?/What is the number after 11?

Céard í an uimhir roimh?/What is the number before 20?

➤ **Céard í an uimhir idir 11 agus 13?**/What is the number between 11 and 13?

➤ **Cuir na huimhreacha seo in ord?**/Order a set of random numbers within 20

9, 2, 17, 11, 18, 4

➤ **Aimsigh an uimhir atá ar iarraidh i seicheamh?**/ Identify a missing number within a sequence within 20

Eg. 6, 8, 10, _, 14, 16, 18

➤ **Cuir 1, 2 nó 0 le huimhir ar bith laistigh de 10/ agus laistigh de 20**/Add 1, 2, 0 to any number answers within 10, then 20

4 + 1,

8 + 2,

7 + 2,

9 + 0

12 + 2,

16 + 1,

17 + 0,

19 + 1

➤ **Bheith eolach faoi na dúbailtí**/Know doubles to 5 + 5

3 + 3,

4 + 4,

2 + 2,

1 + 1

Bí eolach faoi uimhircéal a 10/Know the number story of 5

$$4 + 1 = 5, \quad 5 + 0 = 5 \quad 3 + 2 = 5$$

$$1 + 4 = 5, \quad 0 + 5 = 5 \quad 2 + 3 = 5$$

➤ **Bain 1, 2 nó 0 ó uimhir ar bith taobh istigh de 10?**/Subtract 1, 2

or 0 from any number within 10

$$9 - 2 = \quad 6 - 2 = \quad 7 - 0 = \quad 8 - 1 =$$

➤ **Bí eolach faoi dhlí comhmalartach an tsuimithe/**Demonstrate

understanding of commutative nature of addition

$$14 + 2 = 16 \quad 2 + 14 = 16$$

$$4 + 5 = 9 \quad 5 + 4 = 9$$

- **Scríobh 4 uimhirabairt ó 3 uimhir laistigh de 5/From 3 given**

numbers within 5 give 4 number facts

Eg. 2, 3, 5

$$2 + 3 = 5$$

$$3 + 2 = 5$$

$$5 - 3 = 2$$

$$5 - 2 = 3$$

- **Aithin boinn airgid go 20c agus bain úsáid as na boinn go 10c/Recognise coins to 20c and be able to use coins to 10c**
 - Eg. **Ceannaigh 2 rud agus oibrigh amach sóinseáil/ Buy 2 items for and work out change**
- **Léigh an t-am in uaireanta/ Read the time in hours**
 - Eg. **Léigh 3, 4, 5 a chlog/ Read 3, 4, 5 o'clock**
- **Bí eolach ar inniu, inné, amárach, na séasúir/ Know today, yesterday, tomorrow, the seasons**

Rang 1



- **Aimsigh uimhir atá ar iarraidh ó sheicheamh laistigh de 50/Identify a missing number in a sequence within 50**
 - Eg. 34, 35, 36, 37, __, 39, 40

- **Comhair ó bhéal in aonta, dónna, cúigeanna ar aghaidh agus ar gcúl ó/ go huimhir ar bith laistigh de 50/Count orally in 1's, 2's, 5's and 10's forwards and backwards from/to 0 within 50**

- **Comhair ó bhéal in aonta, dónna, cúigeanna ar aghaidh agus ar gcúl ó/ go huimhir ar bith laistigh de 100/Count orally in 1's, 2's, 5's and 10's forwards and backwards from a given number within 100**
eg. 25, 30, 35, 40, __, __, 20, 30, 40, __, __,

- **Aithin, léigh agus scríobh uimhreacha go 100/Recognise, read and write numbers to 100**

- Eg. 29, 47, 81, 98

tríocha a sé, caoga a seacht, ochtó a naoi

- **Bheith eolach faoin uimhir roimh, idir agus tar éis**/Know number

before, after and between within 100

- **Cuir tacar uimhreacha randamacha nó leantacha in ord laistigh de**

50, agus 100/Order a set of consecutive/random numbers within

50, then 100

- Eg. 83, 72, 39, 91, 20 (20, 39, 72, 83, 91)

- **Bain úsáid as orduimhreacha**/Use ordinal numbers

An chéad, an dara, an tríú, an ceathrú, an cúigiú, an séú, an

seachtú, an t-ochtú, an naoú, an deichiú

- **Bí eolach faoi dhlí comhmalartach an tsuimithe/Demonstrate**
understanding of Commutative nature of addition

▪ Eg. $12 + 6 = 18$ $6 + 12 = 18$

- **Scríobh 4 uimhirabairt ó 3 uimhir laistigh de 5/From 3 numbers**
within 5 give 4 number facts

○ Eg. 2, 3, 5

▪ $2 + 3 = 5$ $3 + 2 = 5$

▪ $5 - 3 = 2$ $5 - 2 = 3$

- **Scríobh 4 uimhirabairt ó 3 uimhir laistigh de 10/From 3**
numbers within 10 give 4 number facts

○ Eg. 7 3 10

▪ $7 + 3 = 10$ $3 + 7 = 10$

▪ $10 - 3 = 7$

▪ $10 - 7 = 3$

➤ Cuir 1, 2 nó 0 le / nó dealaigh 1, 2 nó 0 ó uimhir ar bith go 20 agus go 50/Add/subtract 1, 2 or 0 to/from any number within 20, then

50

➤ Bheith eolach faoi na dúbailtí go $10 + 10$ /Know doubles to $10 + 10$

▪ $6 + 6 = 12$, $7 + 7 = 14$, $8 + 8 = 16$, $9 + 9 = 18$,

▪ $10 + 10 = 20$

➤ Bheith eolach faoi na bealaí ar fad is féidir 10 a dhéanamh le 2 dhigit/Know components of 10

▪ $10 + 0$, $0 + 10$, $9 + 1$, $1 + 9$, $2 + 8$, $8 + 2$, $7 + 3$,

▪ $3 + 7$

➤ Bheith eolach faoi na firicí eile laistigh de 10/Know all remaining single digit facts within 10

○ $4 + 3/3 + 4$ $6 + 3/3 + 6$ $5 + 3/3 + 5$

$4 + 5/5 + 4$

○ $7 + 2/2 + 7$

➤ **Faigh an uimhir a chuirfidh tú le huimhir eile le 10 a**

dhéanamh/Find what must be added to a number to make 10

○ Eg. $3 + \Delta = 10$, $2 + \Delta = 10$, $6 + \Delta = 10$, $9 + \Delta = 10$

➤ **Dealraigh uimhir 1 dhigit ó 10**/Subtract a single digit from 10

▪ $10 - 6 =$ $10 - 3 =$

➤ **Suimigh uimhir 1 dhigit le 10 agus vice versa**/Add a single digit to 10 and vice versa

▪ $10 + 6$ $10 + 8$ $7 + 10$, $9 + 10$

➤ **Dealraigh 10 ó uimhir 2 dhigit laistigh de 20**/Subtract 10 from a 2 digit number within 20

○ $16 - 10$ $13 - 10$ $19 - 10$

- Cuir 10 le huimhir 2 dhigit nó bain 10 ó uimhir 2 dhigit laistigh de 50/Add/subtract 10 to/from a 2 digit number, answers within 50

- $32 + 10$, $28 + 10$, $45 - 10$, $38 - 10$

- Cuir iolraí de 10 le hiolraí de 10 nó bain iolraí de 10 ó uimhir 2 dhigit /freagraí laistigh de 50/Add/ subtract a multiple of 10 to/from a multiple of 10, answers within 50

- $20 + 30$, $40 + 10$ $50 - 10$, $50 - 40$

- Cuir iolraí de 10 nó bain iolraí de 10 ó uimhir ar bith 2 dhigit, freagraí laistigh de 50/ Add/subtract a multiple of 10/to/from any 2 digit number, answers within 50

- $12 + 30$, $43 - 30$, $26 + 30$ $47 - 20$

- Aithin boinn airgid go 50c- athraigh agus úsáid/recognise coins to 50c, exchange and use

- Eg. Malartaigh 20c ar 2x 10c coins, nó

malartaigh 50c ar 2x20c agus 10c/Exchange

20c for 2 10c coins, or a 50c for 2 20c coins
and a 10c coin

- **Ceannaigh 2 rud agus oibrigh amach sóinseáil eg a líreacán ar 6c agus agus úll ar 8c- cén sóinseail a bheidh agat ó 50c/ Buy 2 items and work out change eg. Buy a lollipop for 6c and an apple for 8c- work out the change from 50c**
- **Léigh an t-am in uaireanta agus leathuair/Read time in hours and half hours**
- **Léigh an lá, an dáta agus an mhí on bhféilire/ Read the day, the date and the month from the calander**

A 50 array/100 square should be used for these mental calculations initially which will provide scaffolding for your child until he/she becomes confident with mental calculations.

Rang 2



- Suimigh 1, 2 nó 0 le/ dealaigh 1,2, nó 0 ó uimhir ar bith, freagraí laistigh de 100/

Add/subtract 1, 2 or 0 to any number, answers within 100

eg. $68 + 2$, $93 - 2$

- Suimigh 10 le/ dealaigh 10 ó uimhir 2 dhigit, freagraí laistigh de 100/

Add/subtract 10 to/from a 2-digit number, answers within 100

eg $65 + 10$, $96 - 10$

- Dealaigh 1 dhigit ó 20/Subtract a single digit from 20

eg. $20 - 8$, $20 - 17$

- Suimigh 1 dhigit le huimhir 2 dhigit gan dul thar an 10/

Add a single digit to a 2 digit number without bridging the 10 eg

$53 + 6$, $25 + 4$

- Dealaigh 1 dhigit ó uimhir laistigh de 20 gan dul thar an 10

Subtract a single digit from a number within 20 without bridging the 10

eg. $17 - 4$, $19 - 7$, $18 - 6$

- **Scríobh 4 uimhirabairt ó 3 uimhir laistigh de 20/**

From 3 given numbers within 20 give 4 number facts

Eg. 12, 6, 18

$$12 + 6 = 18$$

$$6 + 12 = 18$$

$$18 - 6 = 12$$

$$18 - 12 = 6$$

- **Bain úsáid as patrúin suimithe/dealaithe laistigh de 100**

Use extended addition/subtraction patterns within 100

Eg, $42 + 7 = 49$

$$68 - 4 = 64$$

$$72 + 7 = 79$$

$$98 - 4 = 94$$

$$92 + 7 = 99$$

- **Bí ar an eolas go bhfuil an-tábhacht le suíomh gach digite- tá suíomh ann do dhigit na ndeiceanna agus suíomh ann do dhigit na n-aonad**

Know that position of tens digit indicates its value

eg. $75 = 70 + 5 = 7 \text{ tens} + 5 \text{ units}$

- **Suimigh 2 uimhir 1 dhigite ag dul thar an 10/**

Add 2 single digit numbers bridging 10

eg. $6 + 7, 9 + 8, 7 + 9$

- Nuair a dhealaíonn tú uimhir ar bith uaithe féin fágfar 0/

Know that any number subtracted from itself leaves 0

eg. $34 - 34 = 0$

- Nuair a dhealaíonn tú uimhreacha atá in aice lena chéile fágfar 1

Know that subtracting adjacent numbers leaves 1

Eg. $57 - 56 = 1$, $78 - 77 = 1$

- Nuair a dhealaíonn tú uimhreacha atá 2 óna chéile fágfar 2/

Know that subtracting adjacent but 1 numbers leaves 2

eg. $45 - 43 = 41$, $69 - 67 = 62$

- Faigh $\frac{1}{2}$ de gach réuimhir go 10/

Know half of all even numbers to 10

eg. $\frac{1}{2}$ of 8 = 4

- Faigh $\frac{1}{2}$ de 50 agus $\frac{1}{2}$ de 100

Know half of 50 and 100

- Faigh $\frac{1}{2}$ de réuimhreacha go 20

Find half of even numbers to 20

eg. $\frac{1}{2}$ of 18

- Bí in ann digit ar bith a bhaint ó 10/

Know all single digit subtraction facts within 10

eg. $10 - 4$, $10 - 3$, $10 - 9$

- Dealraigh 1 dhigit ó uimhir laistigh de 20 ag dul thar an 10/

Subtract a single digit from a number within 20 bridging 10 eg. 12

$- 8$, $14 - 9$

- Faigh an uimhir a chuireann tú le huimhir eile le 20 a dhéanamh/

Find what must be added to a number to make 20

eg. $3 + \Delta = 20$

- Faigh an uimhir a chuirfidh tú le hiolraí de 10 le 100 a dhéanamh/

Find what must be added to a multiple of 10 to make 100

eg $50 + \Delta = 100$

- Faigh an uimhir a chuirfidh tú le huimhir ar bith 2 dhigit leis an chéad iolraí eile de 10 a dhéanamh

Find what must be added to any 2 digit number to make the next highest multiple of 10

eg. $33 + \Delta = 40$

- Faigh an uimhir is gá a dhealú ó uimhir ar bith 2 dhigit leis an chéad iolraí de 10 roimhe sin a fháil/

Find what must be subtracted from any 2 digit number to make the next lower multiple of 10

eg. $47 - \Delta = 40$

- Suimigh 1 dhigit le huimhir 2 dhigit nó dealaigh 1 dhigit ó uimhir 2 dhigit ag dul thar an 10/

Add/subtract a single digit to/from a 2 digit number, bridging the 10

eg. $34 + 7$, $43 - 8$, $67 + 8$, $93 - 7$

- Suimigh iolraí de 10 le hiolraí de 10 nó bain iolraí de 10 ó uimhir 2 dhigit- freagraí laistigh de 100/

Add/subtract a multiple of 10 to/from a multiple of 10, answers within 100

- Eg. $30 + 40$, $60 - 20$ $60 + 30$
- $90 - 50$

- Suimigh 9/11 le huimhir ar bith 2 dhigit nó bain 9/11 ó uimhir ar bith 2 dhigit/

Add/subtract 9 or 11 to/from any 2 digit number, answers within 100

Bain úsáid as an gcearnóg céid/Use the 100 square

eg. $45 + 11$, **Léim síos ó 45 go 55 agus trasna 1 ar shraith/**

jump down from 45 to 55 and then across 1 on a row

$65 + 9$ **Léim síos 1 cholún agus ar gcúl 1 ar shraith/** jump down

1 column and then back 1 on the row

- **Suimigh iolraí de 10 le huimhir ar bith 2 dhigit nó bain iolraí de 10 ó uimhir ar bith 2 dhigit - freagraí laistigh de 100/**

Add/subtract a multiple of 10 to/from any 2 digit number, answers within 100

$$34 + 50, \quad 89 - 40$$

- **Suimigh 21, 31, 19, 29 le huimhir ar bith nó dealaigh 21, 31, 19, 29 ó uimhir ar bith- freagraí laistigh de 100/**

add/subtract 21, 31, 19, 29 to /from any 2 digit number

answers within 100

- Eg. $47 + 29, \quad 53 - 19$

- **Scríobh 4 uimhirabairt ó 3 uimhir tugtha laistigh de 50/**

From 3 given numbers within 50 give 4 number facts

Eg. 26, 3, 29

$$26 + 3 = 29$$

$$3 + 26 = 29$$

$$29 - 3 = 26$$

$$29 - 26 = 3$$

- **Bí eolach faoi na dúbailtí de 10 a fhad le 50/**

Know doubles of multiples of 10 to double 50

- eg double 30, double 40

- **Slánaigh uimhreacha laistigh de 100 go dtí an 10 is gaire/**

Round numbers within 100 to the nearest 10

eg. 78/80, 62/60, 85/90

- **Comhair ó bhéal in aonta, dóna, cúigeanna agus deiceanna ar aghaidh agus ar gcúl**

Count orally in 1's, 2's, 5's and 10's forwards and backwards within 100

- **Aithin, léigh agus scríobh uimhreacha laistigh de 1000/**

Recognise, read and write numbers within 1000

Eg. 456 = **ceithre chéad caoga** four hundred and fifty six = 400 + 50 + 6

- **Cuir tacar d'uimhreacha leantacha/ randamacha taobh istigh de 1000 in ord- ag tosú leis an uimhir is mó/is lú** Order a set of consecutive/random numbers increasing/decreasing within 1000

Eg. 79, 19, 99 19, 79, 99

- **Aimsigh uimhreacha atá ar iarraidh i seicheamh laistigh de 100 ón gceann is lú go dtí an ceann is mó agus ón gceann is mó go dtí an ceann is lú**

Identify missing numbers in a sequence within 100

Eg. 45, 50, 55, 60, Δ, 70

- **A thuiscint go bhfuil an- tábhacht le suíomh digite/**

Know position of hundred digit indicates its value

Eg. 345 = 300 + 40 + 5

- **0 a thuiscint in uimhir ar bith/Understand 0 in any number**

60, 450, 305

- Aithin boinn airgid go 2 Euro, malartaigh boinn ms. Malartaigh 6 x 10c ar 3 x 20c
- Ceannaigh rudaí agus oibrigh amch sóinseáil/ buy items and work out change within 2 euro
- Léigh an t-am in uaireanta, leathuair agus ceathrú uaire/Read time in hours, half hours and quarter hours
- Léigh an t-am in uaireanta nó leathuair ar an gclog digiteach/ read the time in hours and half hours on the digital clock

Your child should use a 100 square to scaffold his/her learning until he/she gains confidence with mental calculations.

Rang 3



- Léigh/scríobh codáin/Read/write simple fraction notation

- eg. $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$,

- Comhair ar aghaidh agus ar gcúl i leatha agus i gceathrúna/

Count forwards and backwards in halves and quarters

- eg, $\frac{1}{2}$, 1, $1\frac{1}{2}$, 2, $2\frac{1}{2}$, 3 $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, 2, $2\frac{1}{4}$,

- bheith eolach faoi na gardhúbailtí/know near doubles within 20

- eg. $9 + 8$, $7 + 8$, $6 + 7$,

- Bheith eolach faoi na bealaí is féidir 20 a dhéanamh le 2 dhigit/know

components of the number 20

- eg. $16 + 4$, $18 + 2$, $13 + 7$, $17 + 3$, $14 + 6$, $15 + 5$, $11 + 9$,

$12 + 8$

- bheith eolach faoi na fíorais suimithe ar fad laistigh de

20/know all remaining addition facts within 20

- eg. $11 + 5$, $12 + 6$, $13 + 4$, $16 + 3$, $14 + 5$

- **suimigh 3 uimhir 1 dhigit/ (bain úsáid as straitéisí ms. Déan 10, Dúbailtí/gardhábailtí)** add 3 single digit numbers (use strategies ie. Make 10, Use doubles/near doubles)
 - eg. $5 + 6 + 4$ $8 + 2 + 7$ $6 + 6 + 4$

- **Dealraith uimhir ar bith ó 20/**Subtract any number from 20
 - Eg. $20 - 9,$ $20 - 11,$ $20 - 7,$ $20 - 6$

- **Bheith eolach faoi na fíorais eile dealraithe laistigh de 20** -Know all remaining subtraction facts within 20
 - Eg. $18 - 7,$ $19 - 6,$ $17 - 9,$ $16 - 5$

- **Faigh leath de réuimhreacha laistigh de 20/**Find halves of even numbers within 20
 - $\frac{1}{2}$ of 16, $\frac{1}{2}$ of 18, $\frac{1}{2}$ of 14

- **Faigh dúbailtí d'iolraithe de 10 agus d'uimhreacha a chríochnaíonn le 5/**Find doubles of multiples of 10, then of 5 up to 95 + 95
 - Eg. $30 + 30,$ $60 + 60,$ $70 + 70$
 - $25 + 25$ $35 + 35,$ $65 + 65$

➤ Oibrigh amach na leatha ó na dúbailtí/

Derive corresponding halves

- Eg. $\frac{1}{2}$ of 60, $\frac{1}{2}$ of 120, $\frac{1}{2}$ of 140
- $\frac{1}{2}$ of 70, $\frac{1}{2}$ of 130, $\frac{1}{2}$ of 190

➤ Faigh dúbailtí d'uimhreacha de 100 go 500 + 500

Find doubles of numbers of 100 up to 500 + 500

- Eg. 300 + 300, 400 + 400

➤ Suimigh 100 le nó dealaigh 100 ó iolraithe de 100 laistigh de 1000/

Add/subtract 100 to/from multiples of 100 within 1000

- Eg. 300 + 100, 700 - 100, 600 + 100, 900 - 100

➤ Suimigh nó dealaigh uimhreacha 2 dhigit laistigh de 100/

Add/subtract two digit numbers within 100, without going over the 10

- Eg 35 + 22, 67 - 34,

➤ Faigh an uimhir is gá a chur le huimhir ar bith 2 dhigit le 100 a dhéanamh/

Find what must be added to any 2 digit number to make 100

○ Eg. $34 + \Delta = 100$

- Suimigh iolraithe de 100 le hiolraithe de 100 nó dealaigh iolraithe de 100 ó iolraithe de 100/

Add/ subtract multiples of 100 to/from multiples of 100

within 1000

○ Eg. $300 + 400,$ $900 - 300$

- Faigh an uimhir is gá a chur le hiolraithe de 100 le 1000 a dhéanamh/

Find what must be added to multiples of 100 to make 1000

○ Eg. $400 + \Delta = 1000$ $700 + \Delta = 1000$

- *****Faigh an uimhir is gá a chur le huimhir 3 dhigit leis an chéad iolraí eile de 10 a dhéanamh nó faigh an uimhir is gá a bhaint ó uimhir 3 dhigit leis an iolraí de 10 roimh an uimhir sin a fháil /

***** Find what must be added to/subtracted from any 3

digit number to make the next higher/lower multiple of 10/100

▪ Eg. $234 + \Delta = 240,$ $456 - \Delta = 450$

- $647 + \Delta = 700$ $278 - \Delta = 200$

- Suimigh 100 le huimhir ar bith 2 dhigit nó 3 dhigit laistigh de 1000/

Add 100 to any 2 digit or 3 digit number within 1000

- Eg. $478 + 100$

- Dealraith 100 ó uimhir ar bith 3 dhigit/Subtract 100 from any 3 digit number

- Eg. $478 - 100$

- Suimigh iolraí de 100 le hiolraí 2 dhigit de 10/

Add a multiple of 100 to a 2 digit multiple of 10

- Eg. $30 + 400$, $70 + 500$, $90 + 300$

- Suimigh iolraí de 100 le huimhreacha 2 dhigit agus 3 dhigit laistigh de 1000/

Add a multiple of 100 to any 2 or 3 digit number within 1000

- $34 + 400$, $79 + 500$, $327 + 500$, $278 + 400$

➤ Dealraith iolraí de 100 ó uimhir ar bith 3 dhigit/

Subtract a multiple of 100 from any 3 digit number

- Eg. 578 - 300, 699 - 400

➤ Ríomh dúbailtí de 50 freagraí laistigh de 1000/

Calculate doubles of multiples of 50, answers within 1000

- Eg. Double 450, double 350

➤ Oibrigh amach na leatha/Derive corresponding halves

- Eg. Find $\frac{1}{2}$ of 700, $\frac{1}{2}$ of 300, $\frac{1}{2}$ of 900

➤ Ríomh dúbailtí d'iolraithe de 10 go 200/

Calculate double of multiples of 10 up to 200

- Eg. Double 130, double 190

➤ Bí eolach faoi na fíorais iolraithe do Tháblaí 2, 3, 4, 5, 6, 7, 8, 9,

10/Know multiplication facts for 2, 3, 4, 5, 6, 7, 8, 9, 10 Tables

Eg. Count easily in 3's, 4's, 5's, 6's etc

Déanaimid Tábla 2, 4 agus 8 le chéile/ We do Tables 2, 4
and 8 together

Déanaimid Tábla 3, 6, agus 9 le chéile/ We do Tables 3, 6
and 9 together

Déanaimid 5 agus 10 le chéile/ We do Tables 5 and 10
together

Féach ar na patrúin/ Notice the patterns in the tables

➤ Oibrigh amach na fíorais roinnte ó na Tablaí Iolraithe/Derive

resulting division facts

- Eg. $4 \times 4 = 16$ $16 \div 4 = 4$ (how many groups of 4 in
16)

➤ Iolraigh uimhir ar bith faoi 1, faoi 0/Multiply any number by 1,

by 0

- Eg. $340 \times 1 = 340$, $250 \times 0 = 0$

➤ Faigh ceathrúna d'uimhreacha gur iolraithe de 4 iad laistigh de
40/

Find quarters of quantities which are multiples of 4 within 40

- Eg. $\frac{1}{4}$ of 32, $\frac{1}{4}$ of 40

- *Suimigh agus dealaigh airgead go muiníneach go 2 euro/*
add and subtract money confidently with 2 euro
- *Léigh an t-am in achair chúig nóiméad ar an ngnáthchlog agus ar an gclog digiteach/* Read the time in 5 min intervals on the clock and on a digital clock
- *Léigh amchlár simplí/* Read a simple timetable
 - Eg. *Amchlár bus nó traenach nó teilifíse/* a bus, train or television timetable

Is féidir cearnóg iolraithe agus cearnóg 200 a úsáid le tacaíocht a thabhairt do do pháiste/ Cabhróidh cluichí

Iolraithe go mór le foghlaim do pháiste/ **A Multiplication**

square and a 200 square can be used to scaffold

learning and provide support for your child. Multiplication

games will help reinforce the Tables.

Rang 4

- Comhair ó bhéal in iolraithe de 3, 4, 5, 6, 7, 8 nó 9 ar aghaidh agus ar gcúl/

Count orally in multiples of 3, 4, 5, 6, 7, 8 and 9 forwards and backwards

- Eg. 7, 14, 21, 28, 35, 42, 49, 56, 63, 70

- Aithin, léigh, scríobh agus ordaigh slánuimhreacha laistigh de 10 000/Recognise, read, write and order whole numbers within 10 000

- Eg. 9 458 = 9 míle ceithre chéad caoga a hocht

- Aithin go léiríonn suíomh digite a luach, uimhreacha go hionad amháin sna deachúlacha san áireamh/



Recognise position of digit indicates value including numbers to 1 decimal place

- Eg. $6\ 975.5 = 6000 + 900 + 70 + 5 + 0.5$

- **Aithin, léigh, scríobh agus ordaigh uimhreacha deachúlacha go hionad amháin sna deachúlacha/**

Recognise, read, write order decimal numbers to 1 decimal place

- Eg. $0.8 = 8/10$

- **Faigh dúbailtí d'uimhreacha ar bith 2 dhigit go $50 + 50$**

Find doubles of any 2 digit numbers to $50 + 50$

- Eg. Double 36, double 48

- **Oibrigh amach na leatha/**Derive corresponding halves

- Eg.(half of 72)

- **Suimigh nó dealaigh uimhreacha 2 dhigit laistigh de 100 ag dul thar an 10/**

Add/subtract 2 digit numbers within 100, bridging the 10

- Eg. $34 + 28$, $53 - 26$ (**scar na huimhreacha go deiceanna agus aonaid**)separate numbers into tens and units ie. $28 = 20 + 8$ **dealaign an 20 agus ansin an 6** /so subtract the 20 and then the 6)

- **Suimigh iolraithe de 10 dhá dhigit ag dul thar an 100/**

Add two 2 digit multiples of 10 bridging the 100/1000

- Eg. $40 + 70$ $400 + 700$

- Suimigh iolraí de 10 (2 dhigit) le huimhir 2 dhigit agus vice versa/ ag dul thar an 100/
Add a 2 digit multiple of 10 to a 2 digit number and vice versa bridging through the 100
 - Eg. $78 + 60$, $80 + 63$
- Suimigh 2 iolraí de 10 (3 dhigit) gan dul thar an 10/
Add 2 three digit multiples of 10 without bridging 100
Eg. $340 + 420$
- Dealraigh iolraí de 10 (2 dhigit) ó iolraí de 10 (3 dhigit) gan dul thar an 100
Subtract a 2 digit multiple of 10 from a 3 digit multiple of 10 without bridging the hundred
 - Eg. $670 - 40$, $780 - 60$, $850 - 20$
- Dealraigh iolraí de 10 (3 dhigit) ó iolraí de 10 (3 dhigit)
Subtract a 3 digit multiple of 10 from a 3 digit multiple of 10 without bridging the 100
 - Eg. $560 - 440$, $870 - 360$
- Faigh an difríocht idir 2 uimhir 3 dhigit atá gar dá chéile/
Find difference between two 3 digit numbers which are close
 - Eg. $678 - 672$ (a thuiscint gur féidir an difríocht a fhail ar 2 bhealach- ó bheith ag comhaireamh ar aghaidh nó ó bheith ag dealú/understand that finding difference can be done by adding on or subtracting - how many more is 78 than 72)
- Ioraigh uimhir 1 dhigit faoi 6, 7, 8 nó 9 agus oibrigh amach na fíorais roinnte

Multiply a single digit number by 6, 7, 8, 9 and derive revision facts

▪ Eg. $8 \times 9 = 72$ $72 \div 8 = 9$

➤ **Iolraigh slánuimhreacha faoi 10 laistigh de 10 000/**

Multiply whole numbers by 10 within 10 000

▪ Eg. $67 \times 10 = 670$ $325 \times 10 = 3250$

➤ **Iolraigh slánuimhreacha faoi 100 laistigh de 10 000/**

Multiply whole numbers by 100 within 10 000

▪ $67 \times 100 = 6700$ $325 \times 100 = 32500$

➤ **Roinn slánuimhreacha ar 10 nuair is slánuimhreacha iad na freagraí/**

Divide whole numbers by 10, whole number answers

▪ $670 \div 10 = 67$ $6700 \div 10 = 670$

➤ **Bheith in ann iolraithe agus fachtóirí a thabhairt.....Give multiples of and factors of.....**

- Eg. **Faigh na fachtóirí de 12/** Find the factors of $12 = 12$,
1, 6, 2, 3, 4

▪ **Faigh na hiolraithe de 8/** Find the multiples of $8 = 8$,
16, 24, 32, 40, 48.....

➤ **Faigh codáin coibhéiseacha le codáin simplí/**

Find equivalent fractions within simple fraction families

▪ Eg. $\frac{1}{2} = \frac{2}{4}$, $\frac{1}{2} = \frac{5}{10}$ or $\frac{4}{8}$, $\frac{1}{4} = \frac{2}{8}$ or $\frac{1}{4}$,

➤ **Aithin, léigh, scríobh agus ordaigh codáin/**

Recognise, read, write and order fractions **-athraigh iad go dtí an chlann céanna/** change them to the same family

- Eg. Which is the biggest fraction? $1/3$, $\frac{1}{2}$ or $1/8$?

➤ **Faigh codáin d'uimhreacha ag baint úsaide as codáin simplí nuair is slánuimhir an freagra atá ar eolas ag an bpáiste ó na**

Táblaí/Find fractions of a quantity using unitary fractions where answer is a whole number within known Table facts

- Eg. $1/8$ of 48, $1/6$ of 36, $1/3$ de 24

➤ **Aithin, léigh, scríobh agus ordaigh deachúlacha go dtí an chéad áit sna deachúlacha/**

Recognise, read, write and order decimals to 1 decimal place

- Eg. Order 0.8, 0.1, 0.7, 0.2, 0.5

➤ **A thuiscint gurbh ionann 50% agus $1/2$ /**Find 50% by finding $\frac{1}{2}$ of a quantity

➤ **A thuiscint gurbh ionann 25% agus $1/4$ /**Find 25% by finding $\frac{1}{4}$ of a quantity

➤ **A thuiscint gurbh ionann 10% agus $1/10$ /**Find 10 % by finding $1/10$ of a quantity

➤ **Slánaigh uimhreacha go dtí an 10, 100 nó 1000 is gaire/**Approximate numbers to nearest 10, 100, or 1000

- Eg. 58-60, 88-100, 7689-8000

➤ **Slánaigh uimhreacha le hoan phoine deachúlach go dtí an slánuimhir is cóngaraí/**

Approximate 1 decimal point numbers to nearest whole number

- Eg. $6.7 - 7$, $9.1 - 9$, $8.8 - 9$

- **Suimigh nó dealaigh 1 dhigit le/ó uimhir le hionad amháin sna deachúlacha/** Add/subtract a single digit to/from a 1 decimal place number

- Eg. $2.3 + 4$, $5.6 - 3$

- **Léigh an t-am ar an gnáthchlog agus ar an gclog digiteach in achair 1 nóiméad/** read the time on the regular clock and on a digital clock in intervals of 1 min

- **Inis am digiteach ar bhealach eile agus a mhalairt de dhóigh/** tell digital time in another way and vice versa

- Eg. $3.40 =$ fiche chun a ceathair,
▪ cúig chun a deich = 9.55

- **Amchlar simplí a léamh agus a mhíniú/** read and explain a simple timetable

- **Suimiú, dealú, iolrú agus roinnt a úsáid le hairgead**

Eg. **Faigh an costas ar 3 rud/** find the cost of 3 items

Faigh an sóinseáil ó €5/ find change from €5

Faigh an costas ar 6 úll ar 19c an ceann/ Find the cost of 6 apples at 19c each

Tá 81c ar 9 milseán, cé mhéad ata ar cheann amháin?/ 9 sweets cost 81c- how much will 1 sweet cost?

- **An chiall leis an bponc deachúlach a thuiscint ms. €1.45 = 145c/** understand the use of the decimal point

Rang 5

- Comhair, léigh, scríobh agus ordaigh uimhreacha go 100,000/

Count, read, write, order numbers to 100,000



- Déan meastachán ar chostas 2 nó 3 rud ar liosta siopadóireachta/Estimate the total of 2 or 3 items in a shopping list

○ Eg. (2.99 + 4.49 + 1.99)

- Déan meastachán ar áirimh scríofa ní áirimh déanta ar áireamhán/Estimate the answers of written or calculator calculations
 - $7852 \div 26$ ($8000 \div 30$)

- Aithin go léiríonn suíomh digite a luach in huimhreacha go 2 ionad sna deachúlacha/Recognise position of digit indicates value, including decimal numbers to 2 decimal places

- Comhair, léigh agus ordaigh uimhreacha deachúlacha go 2 hionad sna deachúlacha/

Count, read and order decimal numbers to 2 decimal places

Faigh codáin d'uimhreacha ó bheith ag roinnt ar an roinnteoir agus ag iolrú faoin uimhreoir/Find fractions of quantities by dividing by denominator, multiplying by numerator

- Eg. $\frac{2}{3}$ of 15

- Faigh 20%, 30 %, 40 %,..... 90% d'uimhreacha ó bheith ag fáil 10% agus ag iolrú /

Find 20%, 30%, 40%,90% of quantities by finding 10% and multiplying appropriately

40 % of 80- find 10% = 8, then multiply by 4

- **Faigh céard ba chóir le codán leis an chéad slánuimhir eile a dhéanamh/Find what must be added to a fraction to make the next whole number** eg. $3 \frac{2}{5} + \Delta$ makes 4
- **Suimigh 4 nó níos mó uimhir 1 dghigit/**Add 4 or more single digit numbers
- **Suimigh uimhir ar bith le hiolraí de 1000/**Add any number to a multiple of 1000 ($4000 + 423$)
- **Dealraigh iolraí de 1000 ó uimhir ar bith 4 dghigit/**Subtract a multiple of 1000 from any 4 digit number ($4567 - 3000$)
- **Suimigh 2 uimhir 2 dghigit ag dul thar an 100 agus thar an 10**

Add any 2 digit numbers including bridging the 10 and 100

- Eg. $67 + 77$,

- **Dealraigh uimhir 2 dghigit ó uimhir 3 dghigit ar bith gan dul thar an 100/**Subtract a 2 digit number from any 3 digit number without bridging the 100 eg. $567 - 40$
- **Dealraigh iolraí de 10 3 dghigit ó iolraí de 10 3 dghigit gan dul thar an 100/**Subtract a 3 digit multiple of 10 from a 3 digit multiple of 10 without bridging through the 100 ($670 - 430$)

- **Suimigh 2 uimhir 3 dhigit gur gardhúbailtí iad d'iolraithe de 50**/Add two 3 digit numbers which are near doubles of multiples of 50
 - Eg. (348 + 251)

- **Suimigh uimhir 3 dhigit le hiolraí de 10 3 dhigit gan dul thar an 100**/Add a 3 digit number to a 3 digit multiple of 10 without bridging through the hundred eg, (620 + 337)

- **Suimigh/dealaigh deachúlacha go hionad amháin sna deachúlacha gan dul thar an aonad**/Add/subtract decimals to 1 decimal place without bridging the unit
 - Eg. 24.3 + 13.4, 18.8 - 12.6

- **Faigh céard is gá a chur le huimhir 1 aonad sna deachúlacha níos mó na 1 leis an gcéad slanuimhir eile a dhéanamh** Find what must be added to a 1 decimal place number greater than 1 to make the next whole number (23.2 + Δ = 24)

- **Iolraigh iolraí de 10 2 dhigit ar dhigit amháin**/Multiply a 2 digit multiple of 10 by a single digit (40 x 7)

- **Iolraigh iolraí de 100 3 dhigit faoi dhigit amháin** Multiply a 3 digit multiple of 100 by a single digit (400 x 7)

- **Iolraigh uimhir 3 dhigit faoi 100**/Multiply a 3 digit number by 100 eg. (456 x 100)
- **Iolraigh iolraithe de 10 2 dhigit faoi 10**/Multiply two digit multiples of 10 eg. (30 X 60)
- **Roinn slánuimhreacha ar 100, freagraí mar shlánuimhreacha**/Divide whole numbers by 100, whole number answers (4600 ÷ 100)
- **An clog 24 uair a thuiscint**/ understand the 24 hour clock

Eg. 1600 = 4pm

- **Na giorrúcháin i.n agus r.n a úsáid go cruinn**/ use am and pm correctly
- **Luach ar airgead a thuiscint**/ understand value for money/work out the price of 1 item
Eg. /6 úll ar 90c nó 3 úll ar 60c/6 apples for 90c or 3 apples for 60c

Rang 6

- **Aithin, léigh, scríobh agus ordaigh slánuimhreacha de mhéid ar bith/** Recognise, read, write and order whole numbers to any size
- **Bain úsáid as uimhreacha diúltacha i gcomhthéacs/** Understand and use negative numbers in context
 - Eg. Weather reports
- **Bain úsáid as an ngaol idir suimiú/dealú, iolrú/roinnt le seic a dhéanamh ar áirimh/** Use knowledge of inverse operations to aid and check calculations



- **Aithin uimhreacha príomha, uimhreacha cearnógacha agus uimhreacha ciúbacha/Identify prime, square and cube numbers**
- **Bí eolach faoi uimhreacha cearnacha go 10/Know squares of all numbers to 10**
- **Bí eolach faoi uimhreacha ciúbacha go 5, agus faoi 10 ciúbaithe/Know cubes of all numbers to 5, and the cube of 10**
 - Eg. $10 \times 10 \times 10$ $4 \times 4 \times 4$
- **Léigh, scríobh agus ordaigh uimhreacha deachúlacha go 3 ionad sna deachúlacha/Read, write, order decimal numbers to 3 decimal places in context**
- **Bí in ann codáin simplí, céatadáin agus deachúlacha/Convert between simple fractions, percentages and decimals**
 - Eg. $40\% = 4/10 = 2/5 = 0.4$
- **Bí in ann uimhreacha a shlánú suas/síos ag brath ar an gcomhthéacs/Know when to round remainders up and down, depending on context**

- Déan meastachán roimh áirimh scríofa agus roimh áirimh ar an áireamhán/Estimate before all written and calculator calculations

- Suimigh 2 iolraí de 10 (3 dhighit) ag dul thar an 100 san áireamh/Add two 3 digit multiples of 10, including bridging through 100
 - Eg. $360 + 470$

- Dealraith 2 iolraí de 10 (3 dhighit) ag dul thar an 100 san áireamh/Subtract two 3 digit multiples of 10, including bridging through 100
 - Eg. $420 - 240$

- Suimigh uimhir 3 dhighit le hiolraí de 10 (3 dhighit) ag dul thar an gcéad san áireamh/Add a 3 digit number to a 3 digit multiple of 10, including bridging through 100
 - Eg. $470 + 343$

- Dealraith iolraí de 10 (3 dhighit) ó uimhir(3 dhighit) gan dul thar an gcéad/Subtract a 3 digit multiple of 10 from a 3 digit number, without bridging through 100
 - Eg. $786 - 560$

- Suimigh 2 uimhir 3 dhigit gan dul thar an 10 nó 100, freagraí laistigh de 1000/Add two 3 digit numbers without bridging through 10 or 100, answers within 1000
 - Eg. $364 + 522$

- Suimigh 2 uimhir (3 dhigit) ag dul thar an 10 ach gan dul thar an gcéad/Add two 3 digit numbers bridging through 10 but not 100, answers within 1000
 - Eg. $458 + 235$

- Suimigh 2 uimhir (3 dhigit) ag dul thar an gcéad ach gan dul thar an 10/Add two 3 digit numbers bridging through 100 but not 10, answers within 1000
 - Eg. $181 + 433$

- Suimigh 2 uimhir (3 dhigit) ag dul thar an 10 agus an 100/Add two 3 digit numbers bridging through both 10 and 100, answers within 1000
 - Eg. $467 + 388$

- Suimigh/dealaigh codáin le huimhreacha measctha san áireamh/Add/subtract fractions including mixed numbers within fraction families
 - Eg. $4 \frac{2}{3} + 1 \frac{1}{3}$

- Faigh codáin d'uimhreacha nuair is slánuimhreacha na freagraí/Find fractions of quantities (whole number answers)
 - Eg. $\frac{3}{4}$ of 60

- **Dealraigh uimhir le hionad amháin sna deachúlacha ó shlánuimhir/** Subtract a 1 decimal point number from a whole number
 - Eg. $14 - 2.6$

- **Iolraigh/roinn uimhir ar bith faoi/ar 10, 100, 1000 agus freagraí san áireamh go 3 ionad sna deachúlacha/** Multiply/ divide any number by 10, 100, 1000 answers to include answers with up to 3 decimal points
 - 16.25×100 $156.55 \div 100 = 1.5655$

- **Iolraigh slánuimhreacha faoi 50, 25/** Multiply whole numbers by 50, 25

- **Iolraigh uimhir ar bith 2 dhigit faoi 1 dhigit/** Multiply any 2 digit number by a single digit
 - Eg 38×7

- **Iolraigh iolraí de 10 (3 dhigit) faoi iolraí de 10 (2 dhigit)** Multiply a 2 digit multiple of 10 by a 3 digit multiple of 100
 - Eg. 400×40

- **Iolraigh iolraí de 10 (2 dhigit) faoi iolraí de 1000 (4 dhigit)** Multiply a 2 digit multiple of 10 by a 4 digit multiple of 1000
 - Eg. 6000×30

- Roinn uimhir 2 dhigit ar dhigit amháin laistigh de na fórais iolraithe, an fuílleach mar chodán/

Divide a 2 digit number by a single digit within known table facts, remainder expressed as a fraction

- Eg. $77 \div 9 = 8 \frac{5}{9}$

- Roinn uimhir ar bith 2 dhigit ar 2, (faigh leath), agus ar 4 (faigh leath agus leath arís)/Divide any 2 digit number by 2 (halve), 4 (halve and halve again),

- Nó 5/or 5 (roinn ar 10 agus dúbail/scríobh an freagra mar chodán nó mar dheachúil/divide by 10 and double)

expressing the answer as a fraction or decimal

- eg. $39 \div 2$, $57 \div 4$, $66 \div 5$

- Iolraigh iolraí de 10 (3 dhigit) faoi 10, 2, 4 nó 5/Multiply any 3 digit multiple of 10 by 2, 4 or 5

- 340×2 , 520×4 , 170×5

- Iolraigh iolraí de 10 (2 dhigit) ar 15/Multiply a 2 digit multiple of 10 by 15

- Eg. 40×15

- Iolraigh iolraí de 10 (2 dhigit) ar uimhir 2 dhigit/Multiply a 2 digit multiple of 10 by a near 2 digit multiple of 10

- Eg. 40×39

- **Roinn iolraí de 100 ar iolraí de 10 nuair is slánuimhir an freagra/Divide a multiple of 100 by a multiple of 10 where result is a whole number**
 - Eg. $600 \div 30$

- **Roinn iolraí de 50 ar 50/Divide a multiple of 50 by 50**
 - Eg. $450 \div 50$

- **Roinn iolraí de 25 ar 25/Divide a multiple of 25 by 25**
 - Eg. $625 \div 25$

- **Faigh % d'iolraithe de 100/Find % of multiples of 100**
 - Eg. 24 % of 400, 16 % of 25

- **An chiall atá le 10%/ 20%/ 25% bainte, nó 20% cáin bhreisluacha curtha leis a thuiscint/ understand the meaning of 20%/25%/ 10% reduced or the difference when 20% Value Added Tax is applied**

- **A thuiscint gur féidir Euro a athrú go hairgeadra eile agus go mbíonn ráta malairte i gceist/ ms. Sterling nó Dollar/understand that euro can be exchanged for Sterling or Dollars and that a exchange rate charge is applied**

