

# Sets

## Maths Number (MN)

### Maths

Statement code no. MN5

Student:

Class:

At Junior Certificate level I can:

## Interpret and represent information using sets

Date Commenced:

Date Awarded:

### Learning Targets I can...

- 1 Identify and use the following keywords and symbols: Venn diagram, element ( $\in$ ), union ( $\cup$ ), intersection ( $\cap$ ), subset ( $\subset$ ), cardinal number ( $\#$ ), universal set ( $U$ ), null set ( $\emptyset$ ) ☐ ☐ ☐
- 2 Describe or give an example of a set in maths ☐ ☐ ☐
- 3 List the elements of a set, e.g.  $A = \{1, 2, 3\}$  ☐ ☐ ☐
- 4 Recognise if a set is a subset of another set ( $A \subset B$ ) ☐ ☐ ☐
- 5 Represent 2 sets on a Venn diagram ☐ ☐ ☐
- 6 List the elements of the union of two sets ( $A \cup B$ ) and shade this on a diagram ☐ ☐ ☐
- 7 List the elements of the intersection of two sets ( $A \cap B$ ) and shade this on a diagram ☐ ☐ ☐
- 8 List the elements of a universal set ( $U$ ) ☐ ☐ ☐
- 9 Write down the cardinal number of a set ( $\#A$ ) ☐ ☐ ☐
- 10 Describe the null set  $\emptyset$  or  $\{ \}$  ☐ ☐ ☐
- 11 Describe or give an example of 2 equal sets ☐ ☐ ☐
- 12 Solve problems using 2 Venn diagrams ☐ ☐ ☐

Work begun ☐ ☐ ☐ | Work in progress ☐ ☐ ☐ | Work completed ☐ ☐ ☐

# Tacair Matamaitic Uimhir (MU)

Matamaitic

Cód Ráitis Uimhir MU5

Dalta:

Rang:

Ag leibhéal an Teastais Shóisearaigh tá mé ábalta:

Eolas a léirmhíniú agus a léiriú ag úsáid tacar

Dáta Tosaithe:

Dáta Bronnta:

## Spriocanna Foghlama atá bainte amach agam:

- Na heochairfhocail agus na siombail seo a leanas a aithint: léaráid Venn, ball ( $\in$ ), aontas ( $\cup$ ), idirmhír ( $\cap$ ), fothacar ( $\subset$ ), bunuimhir (#), uilethacar (U), tacar neamhnitheach ( $\emptyset$ )
- Cur síos a dhéanamh ar nó sampla a thabhairt de thacar sa Mhatamaitic
- Baill tacair a liostáil, e.g.  $A = \{1, 2, 3\}$
- Aithint an bhfuil tacar amháin ina fhothacar ar thacar eile ( $A \subset B$ )
- Dhá thacar a léiriú ar léaráid Venn
- Baill aontas dhá thacar ( $A \cup B$ ) a liostáil agus é seo a scáthú ar léaráid
- Baill idirmhír dhá thacar ( $A \cap B$ ) a liostáil agus é seo a scáthú ar léaráid
- Baill uilethacair (U) a liostáil
- Bunuimhir tacair (#A) a scríobh
- Cur síos a dhéanamh ar an tacar neamhnitheach  $\emptyset$  nó  $\{\}$
- Cur síos a dhéanamh ar nó sampla de 2 thacar cothroma a thabhairt
- Fadhbanna a réiteach ag úsáid dhá léaráid Venn

Obair Tosaithe

Obair idir lámha

Obair Críochnaithe