

# Knowledge and Application of Geometry 3

## Maths

Statement Code no: 15

Student:

Class:

At Junior Certificate level the student can:

### Perform further operations in Geometry

Date Commenced: / /

Date Awarded: / /

#### Learning Targets - This has been demonstrated by your ability to:

- |    |   |  |
|----|---|--|
| 1  | Understand and apply the fact that the base angles in an isosceles triangle are equal in measure                  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2  | Recognise that the largest angle in a triangle is always opposite the longest side                                | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3  | Recognise that the smallest angle in a triangle is always opposite the shortest side                              | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4  | Understand and apply the fact that the opposite sides and opposite angles in a parallelogram are equal in measure | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5  | Recognise and apply the fact that the diagonal of a parallelogram bisects the area                                | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 6  | Understand and apply the fact that the diagonals in a parallelogram bisect each other                             | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 7  | Recognise and apply the fact that the area of a parallelogram is equal to base x perpendicular height             | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 8  | Understand and apply the fact that the angle standing in a semicircle is $90^\circ$                               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9  | Recognise and apply the fact that there are $360^\circ$ in a circle   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 10 | Calculate an angle in a cyclic quadrilateral when the opposite angle is given                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

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

# Eolas ar Chéimseata agus ar Conas í a chur i bhFeidhm 3

Matamaitic

Cód Ráitis uimhir: 15

Dalta:

Rang:

Ag leibhéal an Teastais Shóisearaigh beidh dalta ábalta:

Oibríochtaí breise a dhéanamh sa Chéimseata

Dáta Tosaithe:

Dáta Bronnta:

Spriocanna Foghlama atá le baint amach agat:

- |    |  |                      |                      |                      |
|----|--|----------------------|----------------------|----------------------|
| 1  | Tuig go bhfuil na bonnuillinneacha i dtriantán comhchosach ar cóimhéid, agus cuir an t-eolas sin i bhfeidhm  | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 2  | Aithin go bhfuil an uillinn is mó i dtriantán i gcónaí urchomhaireach leis an taobh is faide   | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 3  | Aithin go bhfuil an uillinn is lú i dtriantán i gcónaí urchomhaireach leis an taobh is giorra  | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 4  | Tuig go bhfuil na taobhanna urchomhaireacha agus na huillinneacha urchomhaireacha i gcomhthreomharán ar cóimhéid agus cuir an t-eolas sin i bhfeidhm | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 5  | Aithin go ndéoinneann an trasnán i gcomhthreomharán achar an chomhthreomharáin agus cuir an t-eolas sin i bhfeidhm                                   | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 6  | Tuig go ndéoinneann na trasnáin i gcomhthreomharán a chéile agus cuir an t-eolas sin i bhfeidhm  | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 7  | Aithin go bhfuil achar comhthreomharáin cothrom leis an mbonn x airde ingearach agus cuir an t-eolas sin i bhfeidhm                                  | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 8  | Tuig gurb ionann an uillinn atá ina seasamh i leathchiorcal agus 90° agus cuir an t-eolas sin i bhfeidhm   | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 9  | Aithin go bhfuil 360° i gchiorcal agus cuir an t-eolas sin i bhfeidhm  | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 10 | Ríomh uillinn i gceathairshleasán ciorclach tar éis eolas a fháil faoin uillinn urchomhaireach   | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Obair Tosaithe ☒☐☐

Obair idir Lámha ☒☒☐

Obair Críochnaithe ☒☒☒