

Museum Maths Trail Answer sheet

Teacher's notes

This maths trail is based on the exteriors of selected buildings in the town area of the Ulster Folk Museum.

The questions encourage students to think of ways to estimate and approximate in order to gain an indication of the size of a solution to a calculation or problem; to calculate mentally; to work with mathematical language; to recognise line symmetry as well as other ideas.

It will be helpful if students have an understanding of the size of $\frac{1}{2}$ or whole metre in advance or have methods they can employ to make a measure estimate.

Students require a pen/pencil and a clipboard, if desired.

Answer sheet available.

STAGE 1 CLUAN PLACE

1. 12
2. Yes
3. student's own work
4. 84

STAGE 2 BALLYVERIDAGH NATIONAL SCHOOL

1. Today's year minus 1836
2. 153
3. £220

STAGE 3 LISMACLOSKEY RECTORY

1. 12 metres
2. Approx. 5 m
3. A gate

STAGE 4 PRINT SHOP

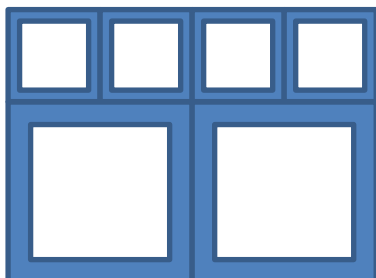
1. No
2. Approx. 575 tiles (23 X 25 tiles)
3. 36 metres (sides measure approx. 10m and 8m)
4. Today's year minus 1844

STAGE 5 CUSHENDALL MARKET/ COURT HOUSE

1. 8 hours x 48 weeks = 384

STAGE 6 NORTHERN BANK

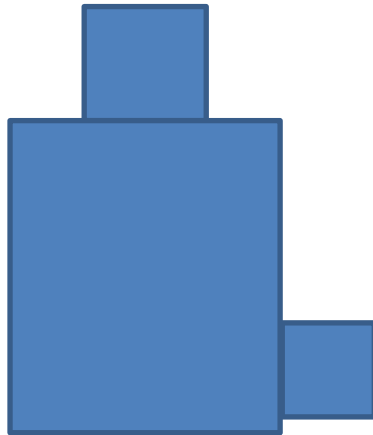
1. Date on foundation stone, 21 June 1989 (answer dependent on today's date)
2. student's own work
3. 9 rectangles



4. North

STAGE 7 KILMORE CHURCH

1.



2. $1788 - 57 = 1731$

3. 7

4.

	Died	Age	Birth Year
Major James McKee	7 May 1792	68	1724
Elizabeth McKee	15 May 1792	56	1736
William McKee	14 November 1827	60	1767
Eliza McKee	22 January 1848	80	1764

5. 6

STAGE 8 VILLAGE SQUARE

1. student's own work
2. 72°

STAGE 9 MEETING STREET

1. 17 letters plus 10 capitals with 2 full stops = **38 pennies**
2. 46 panes x 8 doors (includes 2 at carpenters) / 3 chimneys = **122.6 or 123**
3. 9

STAGE 10 INDEPENDENT ORDER OF GOOD TEMPLARS HALL

1. Today's year minus 1871