AQA

Functional Skills Certificate

FUNCTIONAL MATHEMATICS

Level 2
Data Book (Examination)
March 2019

Insert

Instructions
- This copy of the Data Book is for use in the examination. It should not be given to students in advance.

Advice
- This book will not be collected in for marking. Ensure that all working that you wish to have marked is written in the space provided in the Question Paper/Answer Book.
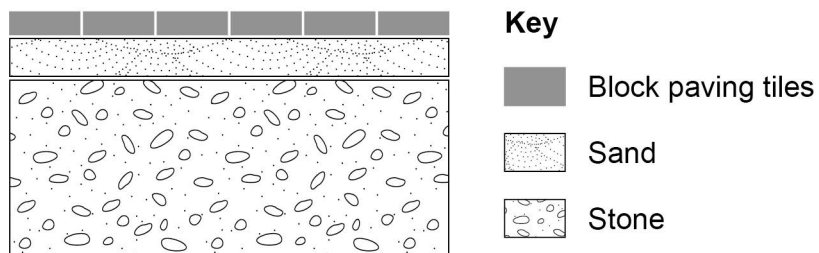
4368

QAN 500/8702/2

Block paving

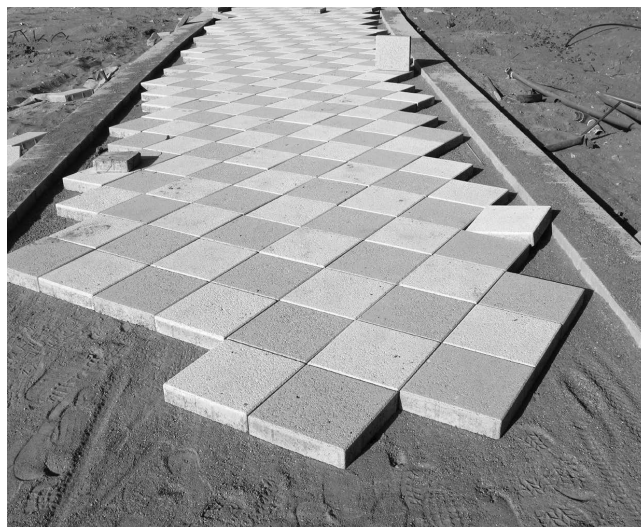Driveways are often covered with block paving.

Block paving is built on a foundation.

The foundation usually has a layer of stone and a layer of sand.

Key

Block paving tiles

Sand

Stone

To build block paving

- mark the area to be paved
- dig a hole for the foundation
- put a layer of stone into the hole
- put a layer of sand on top of the stone
- cover the sand with block paving tiles.

The foundation

Material has to be removed to make a hole for the foundation.

Use this formula to work out the amount of material that has to be removed.
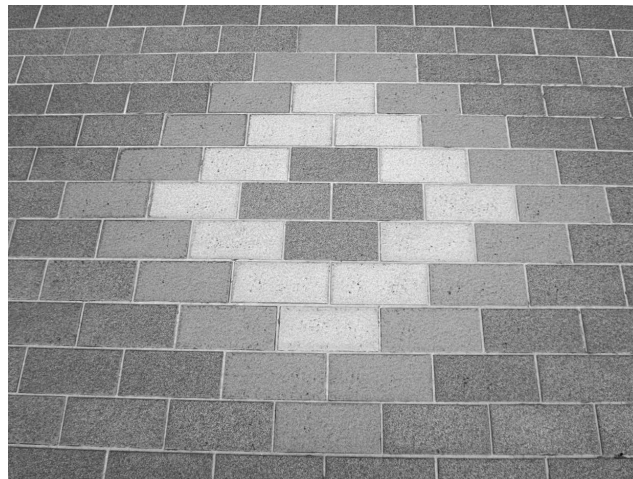
$$V = \frac{Ad}{1000}$$

. V is the amount of material in cubic metres

       A is the area, in square metres, to be covered by block paving

       d is the depth, in millimetres, of the foundation

Patterns in block paving

Different coloured tiles can be used to make patterns in block paving.

Turn over ►

Caravan

Caravan pitch

Some people have a holiday in a caravan.

They take their caravan to a caravan park.

It is possible to attach an awning to the side of a caravan.

An awning is like a tent.

Caravan

Caravan with awning

When you take a caravan to a caravan park you pay fees.

The fees are for

        renting the pitch for the caravan

        using the park's electricity supply

        having an awning on the side of the caravan.

The table shows the fees at Clover Meadow Caravan Park.

	Fee per night
Pitch fee	£27
Using electricity	£2
Awning	£3.50

Caravanners Society

The Caravanners Society owns Clover Meadow Caravan Park.

You pay £49 per caravan per year for membership of the Caravanners Society.

Members get a discount on the total fees per night.

Loan repayments

When you borrow money you usually pay back more than you borrow.

The extra amount that you pay back is called **interest**.

You can borrow money from a loan company to help buy a caravan.

This table shows the monthly repayments.

Amount of loan	Amount of repayment per month				
	For 12 months	For 24 months	For 36 months	For 48 months	For 60 months
£5000	£457	£248	£179	£144	£123
£10 000	£913	£497	£358	£288	£247
£15 000	£1370	£745	£537	£433	£370

Example

You borrow £15 000 from the loan company and pay back over 36 months.

Monthly repayment = £537

Total amount repaid = 36 × £537

= £19 332

In total, you pay back £19 332

Amount of interest paid = £19 332 – £15 000

= £4332

You pay £4332 **interest**.

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