

**St Faith's**  
C A M B R I D G E



Sample Mathematics Paper  
for entry into  
Year 6

## Entry assessment for pupils planning to join St Faiths in Year 6 ( Mathematics)

All pupils planning to enter the school in year 6 next September will be assessed on work covering the following topics.

The work will be set at levels 3, 4 and 5 of the National Curriculum.

The Number System and Place Value.

Number Relationships

Calculations

Solving Numerical Problems

Algebraic manipulation

Equations and Formulae

Shape

Symmetry and transformation

Measures

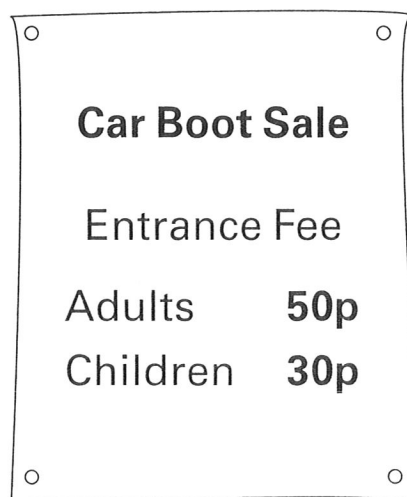
Representing and processing Data

Interpreting Data

The questions will be a mixture of calculations and word problems, and credit will be given for clearly shown accurate working. For part of the assessment a calculator will be provided.

### Sample Questions

**1**



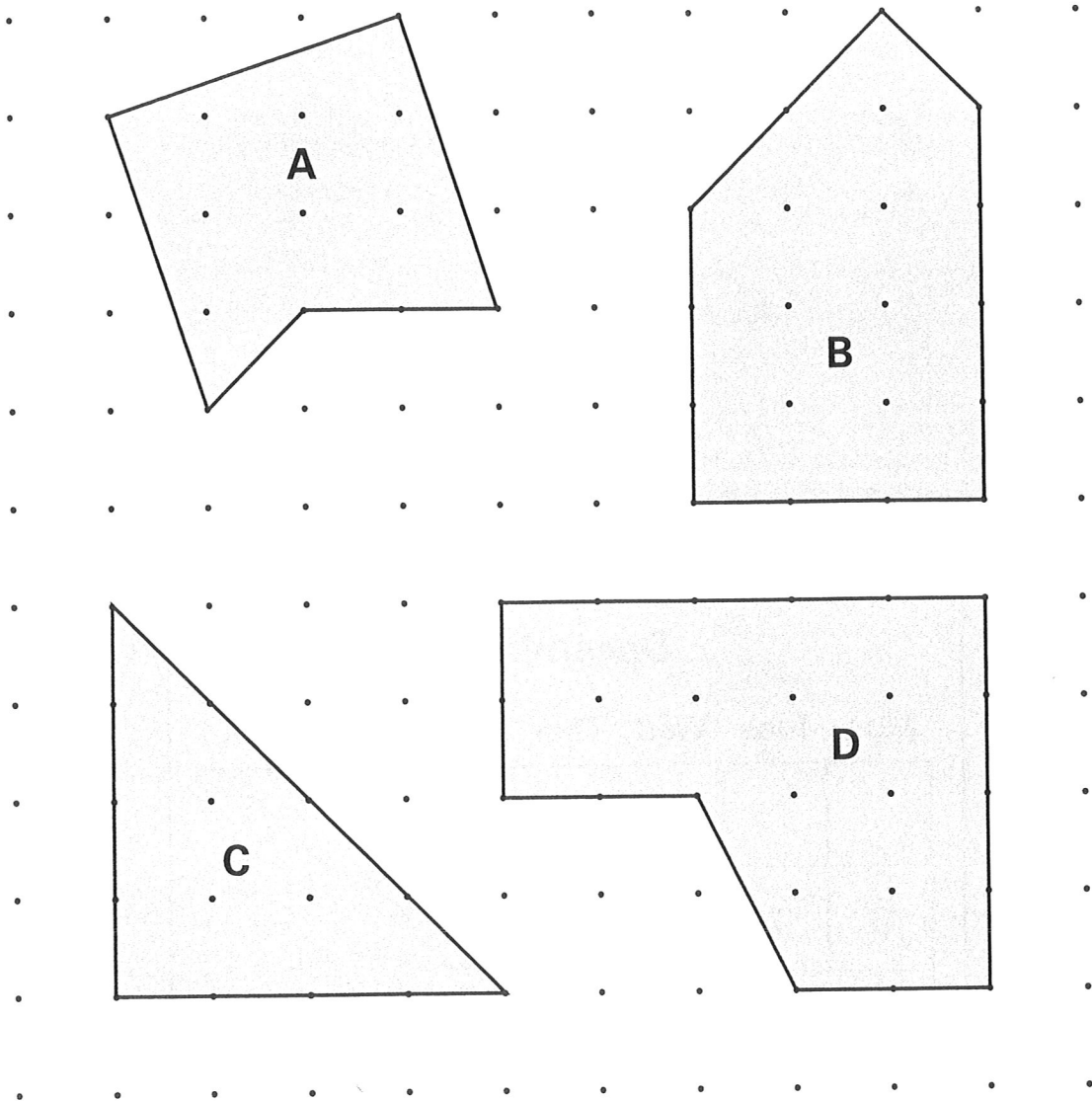
<b>Car Boot Sale</b>	
Entrance Fee	
Adults	<b>50p</b>
Children	<b>30p</b>

**100** adults and **80** children pay to go in.

How much money do they pay altogether?

Here are four shapes.

They each have a different number of right angles.



Write the letter for each shape in the correct order.

One has been done for you.

fewest  
right angles

most  
right angles

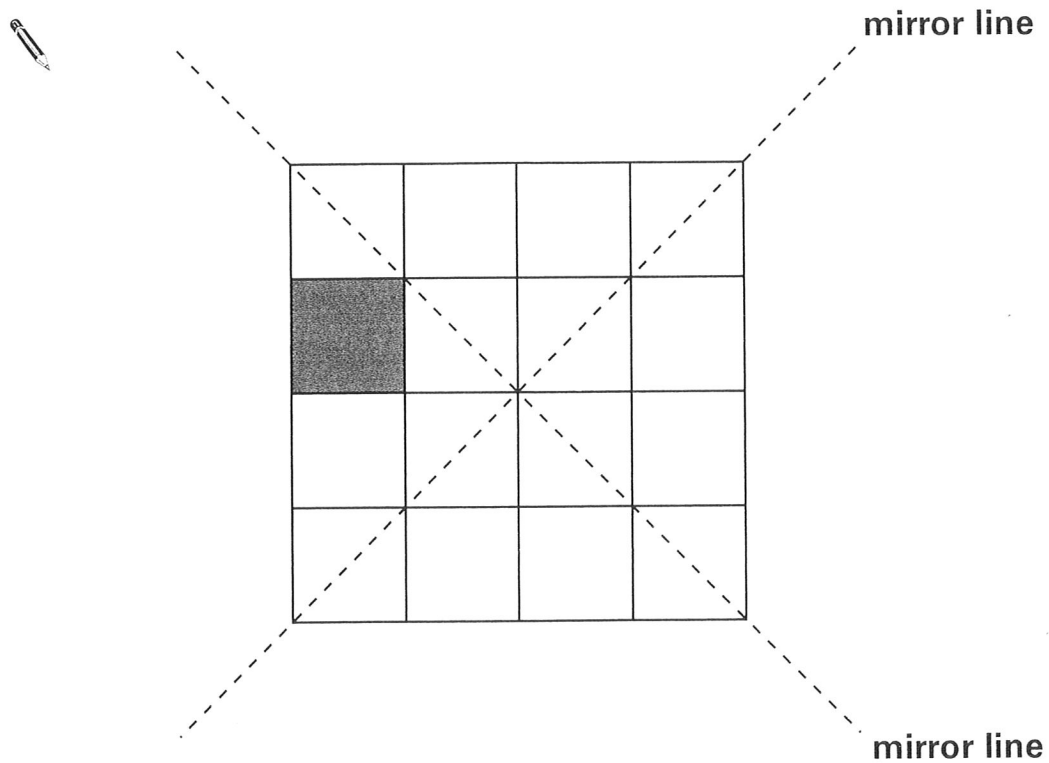


C			
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3

Here is a shaded square on a grid.

Shade in **3 more squares** so that the design is symmetrical in **both** mirror lines.



4

Here are four number cards.



Which two number cards are **factors of 42**?

5

Calculate **137 - 65**