Read the exam style question carefully, then fill in each section below.

Question:

Potato blight is a fungal disease that affects the growth of potato plants.
Resistance to potato blight is controlled by two alleles:
R is the dominant allele for resistance to blight.
r is the recessive allele for **not** being resistant to blight.

Use a Punnett square to show the probability of two **heterozygous** potato plants being crossed to produce plants that are resistant to blight. **(4)**

Section 1: At first glance

1. What **command words** are used in this question? Circle them clearly.

2. **Underline the key information** in the question above.

2. **How many marks** is this question worth?

Section 2: Thinking ahead

Read the question again.

What do you need to know in order to answer this question really well?

Can you split the question into two or more parts?
Are there any labelled diagrams that might help you to show your answer?

What are the key words that you should include in your answer?

Section 3: Space to plan

Use this space to plan your answer.

Section 4: Answer the question

Section 5: Mark Scheme

<table>
<tr><th>Point</th><th>Mark</th></tr>
<tr><td>Genotype of parent plants both Rr</td><td>1</td></tr>
<tr><td>Punnett square drawn correctly
<table><tr><td></td><td>R</td><td>r</td></tr><tr><td>R</td><td>RR</td><td>Rr</td></tr><tr><td>r</td><td>Rr</td><td>rr</td></tr></table></td><td>2</td></tr>
<tr><td>Probability = 75%</td><td>1</td></tr>
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