

Two Parents genes are crossed below. Black (B) is dominant to white (b). Rough (R) is dominant to smooth (r).

**BbRr**

x

**BbRr**

	<b>B</b>	<b>b</b>
<b>R</b>	<b>B R</b>	<b>bR</b>
<b>r</b>	<b>Br</b>	<b>br</b>

	<b>B</b>	<b>b</b>
<b>R</b>	<b>B R</b>	<b>bR</b>
<b>r</b>	<b>Br</b>	<b>br</b>

	<b>B R</b>	<b>Br</b>	<b>bR</b>	<b>br</b>
<b>B R</b>				
<b>Br</b>				
<b>bR</b>				
<b>br</b>				

**Black (B) is dominant to white (b). Rough (R) is dominant to smooth (r).**

Using the punnett square. Answer using a fraction. For example, **4/16 or 1/16.**

- a. What is the probability of producing guinea pigs with **black, rough fur?**
  
  
  
  
  
- b. What is the probability of producing guinea pigs with **white, rough fur?**
  
  
  
  
  
- b. What is the probability of producing guinea pigs with **black, smooth fur?**
  
  
  
  
  
- c.What is the probability of producing guinea pigs with **white, smooth fur?**