Divide whole numbers by unit fractions using models

1. Using the model below as an aid, divide \(3 \div \frac{1}{4}\)

2. Using the model below as an aid, divide \(2 \div \frac{1}{9}\)

3. Using the model below as an aid, divide \(5 \div \frac{1}{2}\)
Divide whole numbers by unit fractions using models

1. Using the model below as an aid, divide $3 \div \frac{1}{4}$

   
   
   
   

   model the number 3 as shown above

   find how many $\frac{1}{4}$ fraction portions make up 3.

   you will see it takes 12 of the $\frac{1}{4}$ fractions to make 3

   Therefore, $3 \div \frac{1}{4} = 12$

2. Using the model below as an aid, divide $2 \div \frac{1}{9}$

   
   
   
   

   you see it takes 18 of the fraction portions to make up 2.

   Therefore $2 \div \frac{1}{9} = 18$

3. Using the model below as an aid, divide $5 \div \frac{1}{2}$

   
   
   

   you see it takes 10 of the $\frac{1}{2}$ fraction portions to make up 5

   Therefore $5 \div \frac{1}{2} = 10$