Finding a unit fraction of a quantity

MODULE 3 · FRACTIONS AND FIRST DECIMALS NUMBER

HOW TO ANSWER TODAY

- **Fraction of a quantity.** Divide the quantity by the bottom number (denominator). Multiply by the top number (numerator).
  3/5 of 20 → 20 ÷ 5 = 4, × 3 = 12

STRETCH PROBLEMS

1. **96** pupils take part in a Cumann na mBunscol Gaelic football blitz at the county grounds. **3/8** of them play in defence. How many pupils play in defence?
   What is 3/8 of 96?

2. For the 4th class picnic, Aoife's group makes **192** sandwiches in total. They wrap **5/8** of them in tinfoil to keep them fresh. How many sandwiches do they wrap?
   What is 5/8 of 192?

3. Granny bakes **33** buns for the cousins coming to Sunday dinner. The cousins eat **2/3** of the buns before the meal. How many buns do they eat?
   What is 2/3 of 33?

4. The local club hurling team scored **30** points across their matches this season. Tadhg worked out that **5/6** of those points came from play. How many points came from play?
   What is 5/6 of 30?

5. The class library has **132** books on its shelves. During Seachtain na Gaeilge, **7/12** of the books are borrowed by 3rd and 4th class. How many books are borrowed?
   What is 7/12 of 132?

INVESTIGATE

Fraction feast for the class

A school bake sale has 24 plain scones and 36 fruit scones. Work out **one half**, **one third** and **three quarters** of each tray. If your class eats two thirds of the plain and three quarters of the fruit, how many of each are left? Show how you found each amount.