Lesson 31

Finding a fraction of a quantity

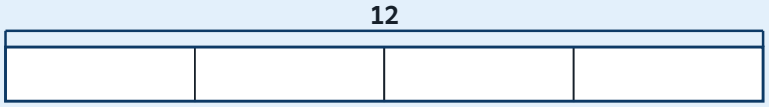
FINDING 3/4 OF 24 SWEETS

1. Divide 24 by the bottom number 4 to find one part: 24 divided by 4 equals 6.
2. Multiply by the top number 3: 3 times 6 equals 18.
3. So 3/4 of 24 is 18 sweets.

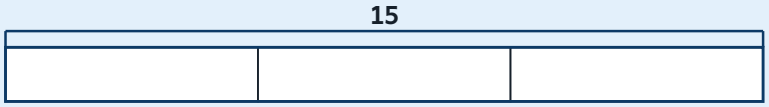
WARM-UP

Each bar is split into equal parts. Write what one part is worth in each part, then shade the fraction.

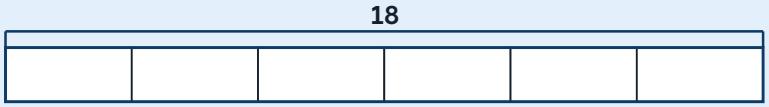
A



B



C



1. Bar A is 12 split into 4 parts. Shade 3 parts to show 3/4 of 12. What is 3/4 of 12?
2. Bar B is 15 split into 3 parts. Shade 2 parts to show 2/3 of 15. What is 2/3 of 15?
3. Bar C is 18 split into 6 parts. Shade 5 parts to show 5/6 of 18. What is 5/6 of 18?

PRACTICE

1. A shop has **28** apples. A customer buys **3/4** of them. How many apples does the customer buy?
2. A voucher is worth **36 euro**. You spend **2/3** of it on food. How many euro do you spend?
3. A recipe needs **54 minutes**. You cook for **5/6** of that time. How many minutes do you cook?
4. A box has **45** biscuits. You share **2/5** of them. How many biscuits do you share?
5. A shelf has **40** books. You buy **4/5** of them. How many books do you buy?

ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

a. To find 3/4 of 20 you must first divide 20 by 4. ☐

b. Finding 3/4 of an amount gives an answer bigger than the amount. ☐

c. You divide by the bottom number before multiplying by the top number. ☐

d. Finding 2/5 of 35 gives the same answer as finding 3/5 of 35. ☐