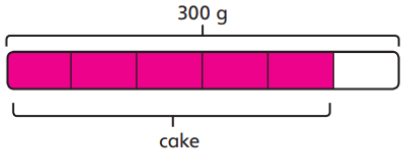
20/01/21

LO: To solve problems finding fractions of amounts.

1 $\frac{5}{6}$ of this bag of flour is needed for a cake. How much flour is needed for the cake?



$\frac{1}{6}$ of 300 g is 300 ÷ ☐ = ☐ g

$\frac{5}{6}$ of 300 g is ☐ × ☐ = ☐ g

☐ g of flour is needed.

2 There are 28 children in a Year 6 class. $\frac{5}{7}$ of the children are going on a school trip.

How many children are **not** going on the trip?

☐ children are not going on the trip.

I think I could complete this question without subtracting.

3 There are 36 children in a swimming lesson.

$\frac{1}{3}$ of the children are boys. $\frac{1}{2}$ of the boys wear goggles.

Mo and Richard are working out how many of the boys wear goggles.

I think 18 boys wear goggles, because $\frac{1}{2}$ of 36 is 18.

Mo

I did 36 ÷ 3 = 12. I think 12 of the boys wear goggles.

Richard

Mo and Richard are both incorrect.

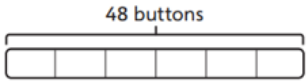
What mistakes have they made?

What is the correct answer?

Remember, you can draw a bar model to help you.

1 There are 48 buttons in a box. $\frac{5}{6}$ of the buttons are red and the rest are blue.

How many buttons are blue?



2 Andy won £720 in a competition. He gave $\frac{1}{3}$ of the money to his sister.

How much money did he have left?

3 Kate and Ebo each bake 60 cookies for charity. Kate sells $\frac{2}{3}$ of her cookies. Ebo sells $\frac{7}{12}$ of his cookies.

Who sells more cookies? How many more?