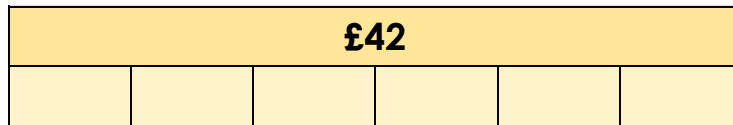




## YR6 PROGRESSION IN MASTERY LESSON PACK - FRACTION OF AN AMOUNT

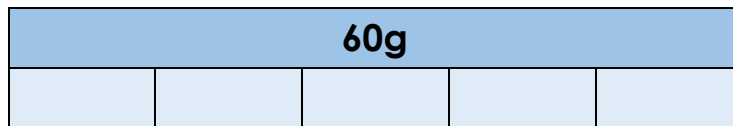
### FLUENCY 1

Use the bar models to help you complete the calculations.



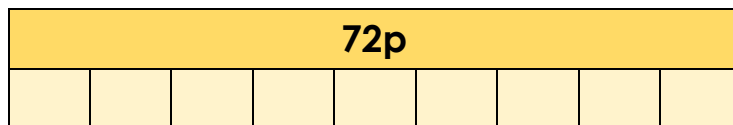
$$\frac{1}{6} \text{ of } £42 = \square$$

$$\frac{2}{6} \text{ of } £42 = \square$$



$$\frac{1}{5} \text{ of } 60\text{g} = \square$$

$$\frac{4}{5} \text{ of } 60\text{g} = \square$$



$$\frac{4}{9} \text{ of } 72\text{p} = \square$$

$$\frac{7}{9} \text{ of } 72\text{p} = \square$$

### FLUENCY 2

Match the calculations to the answers.

$$\frac{3}{7} \text{ of } 56$$

$$\frac{5}{12} \text{ of } 84$$

$$\frac{7}{10} \text{ of } 40$$

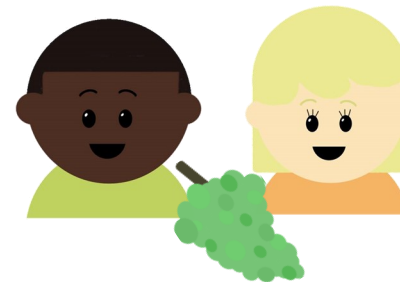
28

24

35

### FLUENCY 3

Caleb and Jane are sharing a bunch of 40 grapes.



Caleb ate  $\frac{2}{5}$  of them.

Jane ate  $\frac{3}{8}$ .

Who ate the most grapes? How many are left over?





## YR6 PROGRESSION IN MASTERY LESSON PACK - FRACTION OF AN AMOUNT

### REASONING 1

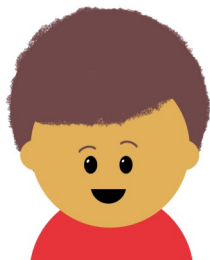
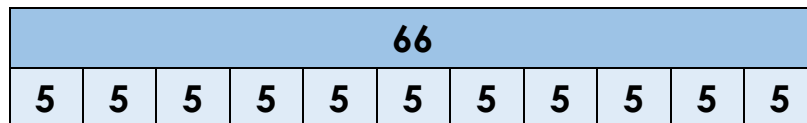
True or false?

**“To calculate the fraction of an amount, you multiply the amount by the denominator then divide the answer by the numerator.”**

Prove your answer with examples.

### REASONING 2

Marlon is using a bar model to find fractions of amounts.



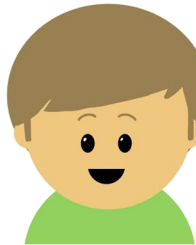
$$\frac{5}{11} \text{ of } 66 \text{ is } 25.$$

Has he done this correctly? Convince me.

### REASONING 3

Jerry, Asha and Ranjit are trying to find fractions of amounts.

Jerry



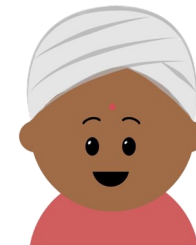
$$\frac{2}{3} \text{ of } 36 = 54$$

Asha



$$\frac{4}{5} \text{ of } 80 = 4$$

Ranjit



$$\frac{6}{7} \text{ of } 49 = 36$$

Are they correct?

Explain any mistakes they have made.





PROBLEM SOLVING 1

Use the cards to find the target number.

$$\frac{2}{9}$$

$$\frac{1}{5}$$

$$\frac{3}{7}$$

$$\frac{2}{3}$$

$$\frac{3}{8}$$

90

160

270

140

300

$$\boxed{\phantom{000}} \text{ of } \boxed{\phantom{000}} = 60$$

How many possibilities can you find?

