

Wednesday 1<sup>st</sup> July Extra Challenge with Answers.

1.

Match the number stories to the correct calculations.

Teddy eats $\frac{7}{8}$ of a pizza. Dora eats $\frac{4}{8}$ . How much do they eat altogether?	$\frac{7}{8} + \frac{3}{8} = -$
Teddy eats $\frac{7}{8}$ of a pizza. Dora eats $\frac{4}{8}$ less. How much do they eat altogether?	$\frac{7}{8} + \frac{4}{8} = -$
Teddy eats $\frac{7}{8}$ of a pizza. Dora eats $\frac{3}{8}$ less. How much does Dora eat?	$\frac{7}{8} - \frac{3}{8} = -$

1<sup>st</sup> question matches with second calculation.  
2<sup>nd</sup> question with first calculation.  
3<sup>rd</sup> question with third calculation.

2.

How many different ways can you find to solve the calculation?

$$\frac{\square}{7} - \frac{3}{7} = \frac{\square}{7} + \frac{\square}{7}$$

$$\frac{\square}{7} - \frac{3}{7} = \frac{\square}{7} - \frac{\square}{7}$$

Children may give a range of answers as long as the calculation for the numerators is correct.

3.

Annie and Amir are working out the answer to this problem.

$$\frac{7}{9} - \frac{3}{9}$$

Annie uses this model.



Amir uses this model.



Which model is correct? Explain why.

Can you write a number story for each model?

They are both correct. The first model shows finding the difference and the second model shows take away.

Ensure the number stories match the model of subtraction. For Annie's this will be finding the difference. For Amir this will be take away.

4.

Dora is subtracting a fraction from a whole.

$$5 - \frac{3}{7} = \frac{2}{7}$$



Can you spot her mistake?

What should the answer be?

Dora has not recognised that 5 is equivalent to  $\frac{35}{7}$   
 $5 - \frac{3}{7} = \frac{33}{7} = 4\frac{5}{7}$

5.

Whitney has a piece of ribbon that is 3 metres long.

She cuts it into 12 equal pieces and gives Teddy 3 pieces.

How many metres of ribbon does Whitney have left?

Cutting 3 metres of ribbon into 12 pieces means each metre of ribbon will be in 4 equal pieces. Whitney will have  $\frac{12}{4}$  to begin with.

$$\frac{12}{4} - \frac{3}{4} = \frac{9}{4} = 2\frac{1}{4}$$

Whitney has  $2\frac{1}{4}$  metres of ribbon left.