

Week 5 of 7

Fractions

Add fractions



Add 2 or more fractions

Subtract fractions



Subtract 2 fractions

Subtract from whole amounts

Mon - Adding Fractions (R)

Tues - Add 2 or more Fractions

Wed - Subtract Fractions (R)

Thurs - Subtract 2 or more Fractions

Fri - Subtract from whole amount



Thursday



Thursday

1ALT: subtract 2 or more fractions

Round to the nearest 10

543

6535

5435

2435

7646

Round to the nearest 100

5783

6578

5438

6895

Round to the nearest 1000

5643

5784

0

5473

Challenge



Use the models to help you subtract the fractions.


$$\frac{5}{7} - \frac{\square}{7} = \frac{\square}{7}$$


$$\frac{4}{8} - \frac{\square}{8} = \frac{\square}{8}$$


$$\frac{\square}{9} - \frac{\square}{9} = \frac{4}{9}$$

<https://www.topmarks.co.uk/maths-games/daily10>

Daily Counting

8

6

25



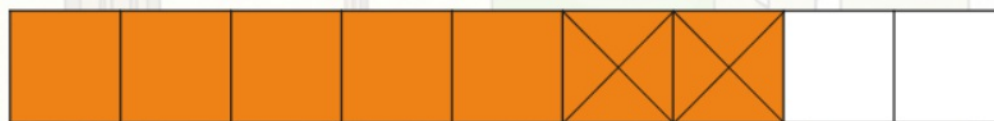
RECAP

Use the bar model to subtract the fractions by taking away.



$$\frac{6}{9} - \frac{4}{9} = \frac{\boxed{}}{\boxed{}}$$

Fill in the empty boxes for the calculation shown by the bar model.



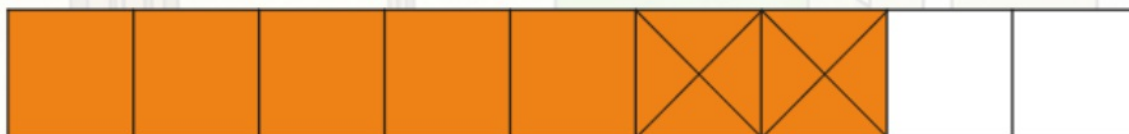
$$\frac{\boxed{9}}{\boxed{9}} - \frac{\boxed{9}}{\boxed{9}} = \frac{\boxed{9}}{\boxed{9}}$$

Use the bar model to subtract the fractions by taking away.



$$\frac{6}{9} - \frac{4}{9} = \frac{2}{9}$$

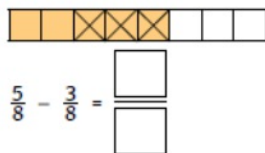
Fill in the empty boxes for the calculation shown by the bar model.



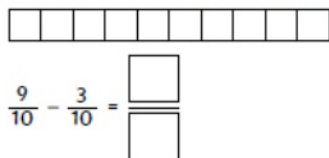
$$\frac{7}{9} - \frac{2}{9} = \frac{5}{9}$$

1) Use the bar models to subtract the fractions by taking away.

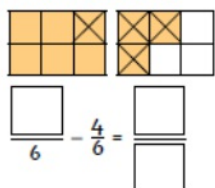
a) Calculate the answer.



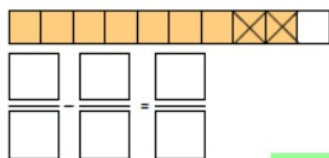
c) Colour the bar model and calculate the answer.



b) Find the missing numerator and calculate the answer.



d) Fill in the boxes to calculate the subtraction.



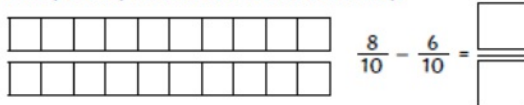
Mild

2) Use the bar models to subtract the fractions by finding the difference.

a) Calculate the answer.



b) Colour the bar model and calculate the answer.

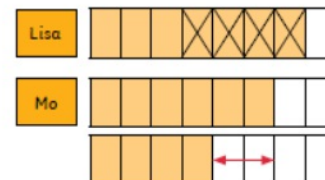


c) Fill in the missing boxes to calculate the subtraction.



1) Lisa and Mo are calculating $\frac{6}{8} - \frac{4}{8}$.

Here are the models they used to help them calculate the answer:



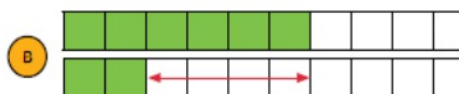
Spicy

Are both models correct? Explain your reasoning.

2) a) The answer to a subtraction calculation is $\frac{2}{10}$. Tick the representations which would give the correct answer. Explain your reasoning for each.



☐



☐

C $\frac{12}{10} - \frac{10}{10}$

☐

- 1) Find 6 different ways to show a subtraction calculation which would give the answer $\frac{3}{5}$. Use bar models which show taking away and finding the difference. Write the matching calculation and answer for each model.



HOT HOT HOT

- 2) Here is a calculation with a missing fraction:

$$\frac{7}{12} - \frac{\boxed{}}{\boxed{}} = \frac{1}{12}$$

Write a word problem which would fit this calculation. Give your problem to a partner to solve.



- 1) a) $\frac{2}{8}$ b) $\frac{9}{6} - \frac{4}{6} = \frac{5}{6}$ c) $\frac{6}{10}$ d) $\frac{9}{10} - \frac{2}{10} = \frac{7}{10}$
 2) a) $\frac{4}{8}$ b) $\frac{2}{10}$ c) $\frac{9}{11} - \frac{5}{11} = \frac{4}{11}$



- 1) Lisa's model is not correct. Her model has started with $\frac{7}{8}$, not $\frac{6}{8}$. The second model is correct.



a) A shows $\frac{10}{10} - \frac{8}{10}$ which gives the answer $\frac{2}{10}$.

B shows $\frac{6}{10} - \frac{2}{10}$ which gives the answer $\frac{4}{10}$.

The answer to C ($\frac{12}{10} - \frac{10}{10}$) is $\frac{2}{10}$.

Therefore, A and C give the correct answer of $\frac{2}{10}$.

- b) Children's answers should show a model and a matching calculation where the answer equals $\frac{2}{10}$. For example:

 $\frac{7}{10} - \frac{5}{10} = \frac{2}{10}$

- 1) Children's answers should include at least one of each type of representation. For example:



• calculation

$$\frac{7}{5} - \frac{4}{5} = \frac{3}{5}$$

• bar model showing taking away

$(\frac{4}{5} - \frac{1}{5} = \frac{3}{5})$ 

• bar model showing finding the difference

$(\frac{7}{5} - \frac{4}{5} = \frac{3}{5})$ 

- 2) Children's word problems should fit the calculation $\frac{7}{12} - \frac{6}{12} = \frac{1}{12}$. For example:

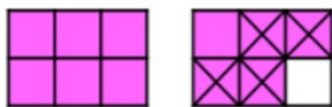
A pizza was cut into 12 slices. There were 7 slices left. James ate some of the pizza and then there was 1 slice left. What fraction of the pizza did James eat?

Mild

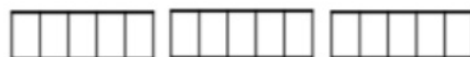
Use the bar models to subtract the fractions.



$$\frac{6}{7} - \frac{2}{7} =$$



$$\frac{11}{6} - \frac{\square}{6} = \frac{\square}{6}$$



$$\frac{13}{5} - \frac{\square}{5} = \frac{6}{5}$$

Spicy

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?

Mild

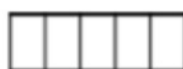
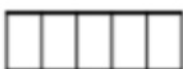
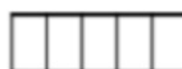
Use the bar models to subtract the fractions.



$$\frac{6}{7} - \frac{2}{7} =$$



$$\frac{11}{6} - \frac{4}{6} =$$



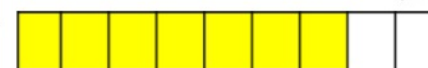
$$\frac{13}{5} - \frac{7}{5} = \frac{6}{5}$$

Spicy

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?

Show the Teacher this answer!