

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



Wednesday



Wednesday

1ALT: subtract fractions

$$4 \times 3 + 3 \times 7 =$$

$$21 \times 2 - 5 \times 4 =$$

$$1 \times 51 - 12 \times 4$$

Challenge



Alex is adding fractions.

$$\frac{3}{9} + \frac{2}{9} = \frac{5}{18}$$



Is she correct? Explain why.

Discussion

Work out this using skills from the addition?

How can we solve $\frac{8}{8} - \frac{3}{8}$?

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

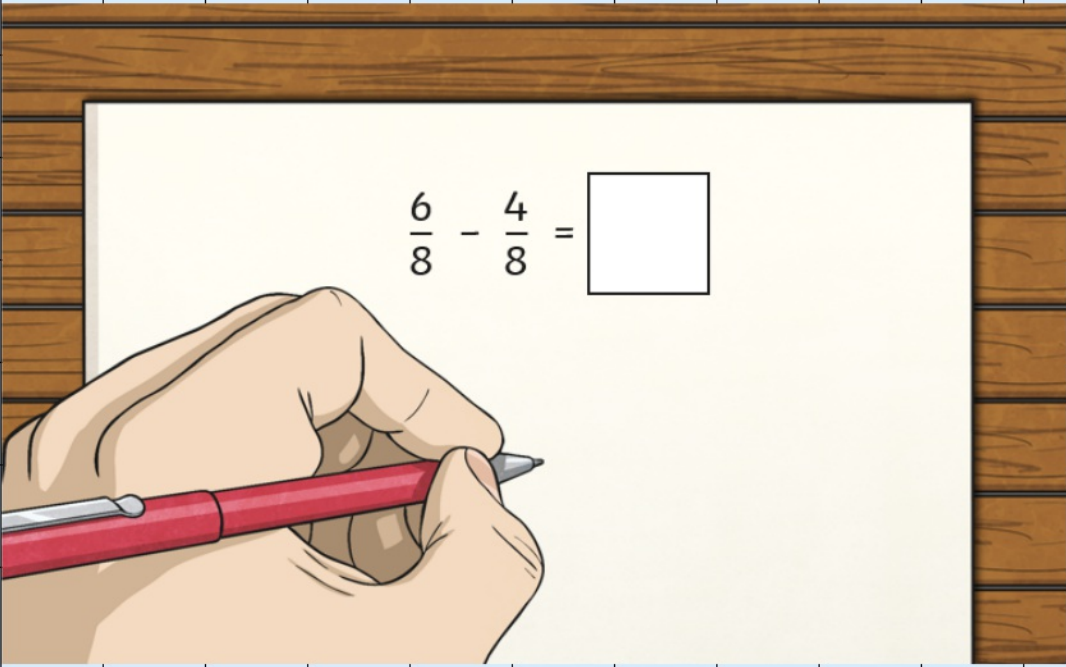
$$\frac{1}{8}$$

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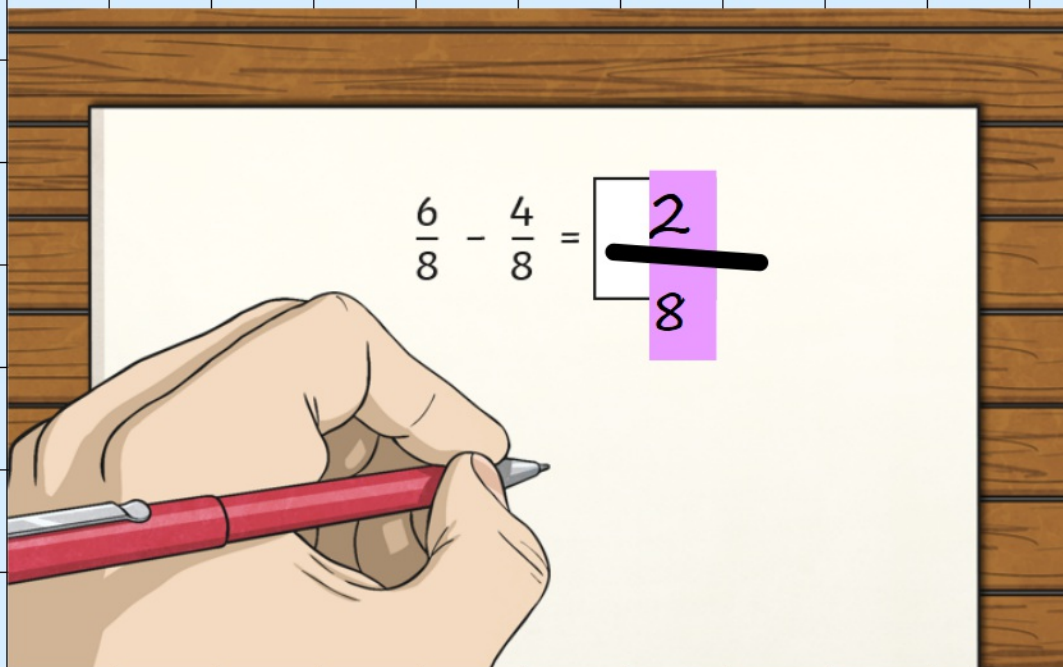
$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

A hand holding a red pen is pointing at a math problem on a notepad. The notepad is placed on a wooden surface, and the background is a light blue grid.
$$\frac{6}{8} - \frac{4}{8} = \square$$

Can work this out with the skills you have gained from adding.



$$\frac{6}{8} - \frac{4}{8} = \frac{2}{8}$$

Can work this out with the skills you have gained from adding.

Annan is sharing his chocolate bar.

If I share 2 pieces
of chocolate, I will
still have $\frac{6}{9}$ left over.



Annan is sharing his chocolate bar.

If I share 2 pieces of chocolate, I will still have $\frac{6}{9}$ left over.



Annan is incorrect. 2 pieces of chocolate is $\frac{2}{9}$.

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



I can subtract fractions using resources.

Mild

$$\frac{3}{8} - \frac{1}{8}$$

$$\frac{10}{8} - \frac{2}{8}$$

$$\frac{6}{8} - \frac{1}{8}$$

$$\frac{11}{8} - \frac{2}{8}$$

$$\frac{2}{8} - \frac{2}{8}$$

$$\frac{9}{8} - \frac{2}{8}$$

Spicy

$$\frac{6}{8} - \frac{\quad}{8} = \frac{1}{8}$$

$$\frac{8}{8} - \frac{\quad}{8} = \frac{2}{8}$$

$$\frac{\quad}{8} - \frac{\quad}{8} = \frac{3}{8}$$

$$\frac{\quad}{8} - \frac{\quad}{8} = \frac{0}{8}$$



I can subtract fractions using resources.

Mild

$$\frac{3}{8} - \frac{1}{8} = \frac{2}{8}$$
$$\frac{10}{8} - \frac{2}{8} = \frac{8}{8}$$

$$\frac{6}{8} - \frac{1}{8} = \frac{5}{8}$$
$$\frac{11}{8} - \frac{2}{8} = \frac{9}{8}$$

$$\frac{2}{8} - \frac{2}{8} = \frac{0}{8}$$
$$\frac{9}{8} - \frac{2}{8} = \frac{7}{8}$$

Spicy

$$\frac{6}{8} - \frac{5}{8} = \frac{1}{8}$$

$$\frac{8}{8} - \frac{6}{8} = \frac{2}{8}$$

$$\frac{5}{8} - \frac{2}{8} = \frac{3}{8}$$

$$\frac{8}{8} - \frac{8}{8} = \frac{0}{8}$$



HOT HOT HOT

$$\frac{5}{6} - \frac{2}{6}$$

$$\frac{12}{3} - \frac{10}{3}$$

$$\frac{12}{3} - \frac{\quad}{3} = \frac{9}{3}$$

$$\frac{7}{8} - \frac{2}{8}$$

$$\frac{8}{6} - \frac{\quad}{\quad} = 1$$

$$\frac{7}{4} - \frac{\quad}{4} = 1$$

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

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



HOT HOT HOT

$$\frac{5-2}{6} \quad \frac{2}{6} \quad \frac{12-10}{3} \quad \frac{2}{3}$$

$$\frac{12-3}{3} = \frac{9}{3}$$

$$\frac{7-2}{8} \quad \frac{5}{8} \quad \frac{8-1}{6} \quad \frac{2}{6}$$

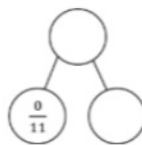
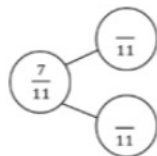
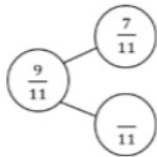
$$\frac{7-3}{4} = 1$$

$$\frac{6-2}{4} \quad 1 \quad \frac{2-2}{3} \quad \frac{0}{3}$$

Mild

Spicy

Complete the part whole models. Use equipment if needed.
Can you write fact families for each model?



Find the missing fractions:

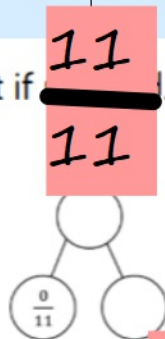
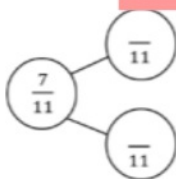
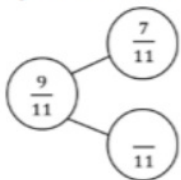
$$\frac{7}{7} - \frac{3}{7} = \frac{2}{7} + \frac{\square}{7}$$

$$\frac{\square}{9} - \frac{5}{9} = \frac{4}{9} - \frac{2}{9}$$

Mild

Spicy

→ Complete the part whole models. Use equipment if you need it!
Can you write fact families for each model?



~~11~~
11

~~0~~
11

Find the missing fractions:

$$\frac{7}{7} - \frac{3}{7} = \frac{2}{7} + \frac{\square}{7}$$

$$\frac{\square}{9} - \frac{5}{9} = \frac{4}{9} - \frac{2}{9}$$

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

$$\frac{7}{9} - \frac{5}{9} = \frac{4}{9} - \frac{2}{9}$$