

YEAR 6 ADD AND SUBTRACT FRACTIONS LESSON 3



Whitney is calculating $\frac{5}{8} + \frac{3}{16}$

She finds the lowest common multiple of 8 and 16 to find a common denominator.

LCM of 8 and 16 is 16

$$\frac{5}{8} = \frac{10}{16} \quad \frac{10}{16} + \frac{3}{16} = \frac{13}{16}$$



Use this method to calculate:

$$\frac{1}{3} + \frac{2}{9} = \boxed{}$$

$$\frac{3}{7} + \frac{7}{21} = \boxed{}$$

$$\frac{8}{15} + \frac{1}{5} = \boxed{}$$

$$\frac{3}{16} + \frac{3}{8} + \frac{1}{4} = \boxed{}$$



Find a common denominator for each pair of fractions by using the lowest common multiple. Subtract the smaller fraction from the larger fraction in each pair.

$$\frac{3}{4}, \frac{5}{8}$$

$$\frac{7}{12}, \frac{1}{3}$$

$$\frac{11}{16}, \frac{3}{4}$$

$$\frac{14}{15}, \frac{2}{5}$$

$$\frac{8}{9}, \frac{1}{3}$$



Working out box



Eva has a full tin of paint. She uses $\frac{1}{3}$ of the tin on Friday, $\frac{1}{21}$ on Saturday and $\frac{2}{7}$ on Sunday. How much paint does she have left?

Find a common denominator



Working out box



Use the same digit in both boxes to complete the calculation.

Is there more than one way to do it?

$$\frac{\boxed{}}{\boxed{20}} + \frac{\boxed{1}}{\boxed{}} = \frac{\boxed{9}}{\boxed{20}}$$



Alex is adding fractions.

$$\frac{3}{5} + \frac{1}{15} = \frac{4}{20} = \frac{1}{5}$$



Do you agree with her?
Explain your answer.