

Arithmetic

1. $87 - 60$

2. $834 - 102$

3. 56×4

4. $\frac{2}{8} + \frac{3}{8}$

Practice: Add and Subtract – Same Denominator

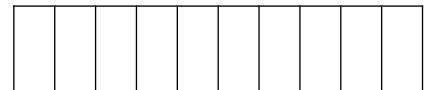
5. Recap: What do I need to add to $\frac{3}{5}$ to make a whole?



Explain your answer.

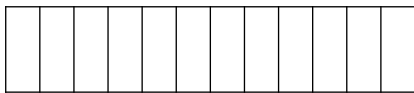
6. Use the diagram to help you calculate

$$\frac{2}{10} + \frac{7}{10} - \frac{3}{10}$$

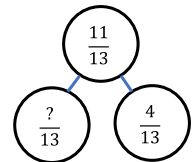


7. Use the diagram to help you calculate

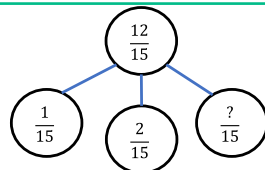
$$\frac{8}{12} - \frac{7}{12} + \frac{5}{12}$$



8. Complete the part-whole model.



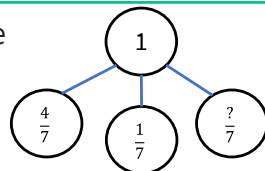
9. Complete the part-whole model.



10. Explain how you found the answer to question 9.



11. Complete the part-whole model.



12. What's the missing fraction?

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

13. Saskia calculates $\frac{9}{14} + \frac{2}{14} - \frac{3}{14}$. She says the answer is $\frac{11}{14}$.



Is she correct?



Challenge

14. Complete the number sentences.

$$\begin{array}{r} \boxed{} \\ \boxed{} \end{array} - \begin{array}{r} \boxed{} \\ \boxed{} \end{array} = \begin{array}{r} \boxed{} \\ \boxed{} \end{array} + \begin{array}{r} \boxed{} \\ \boxed{} \end{array}$$

$$\begin{array}{r} \boxed{} \\ \boxed{} \end{array} + \begin{array}{r} \boxed{} \\ \boxed{} \end{array} > \begin{array}{r} \boxed{} \\ \boxed{} \end{array} - \begin{array}{r} \boxed{} \\ \boxed{} \end{array}$$



You might want to talk to an adult



Spot the mistake

Answers

Q no.	Question	Answer
1	$87 - 60$	27
2	$834 - 102$	732
3	56×4	224
4	$\frac{2}{8} + \frac{3}{8}$	$\frac{5}{8}$
5	What do I need to add to $\frac{3}{5}$ to make a whole? Explain your answer.	$\frac{2}{5}$ needs to be added to make a whole. Pupils may explain that they know that two parts need to be added to three parts to make five parts or a whole. Pupils may also include a pictorial representation to show their answer.
6	$\frac{2}{10} + \frac{7}{10} - \frac{3}{10}$	$\frac{6}{10}$
7	$\frac{8}{12} - \frac{7}{12} + \frac{5}{12}$	$\frac{6}{12}$
8	Complete the part-whole model.	$\frac{7}{13}$
9	Complete the part-whole model.	$\frac{9}{15}$
10	Explain how you found the answer to question 9.	Pupils will have a range of ways to solve this calculation. Pupils may add $\frac{1}{15}$ and $\frac{2}{15}$ first then find the difference between $\frac{12}{15}$ and $\frac{3}{15}$ or they may subtract $\frac{1}{15}$ and $\frac{2}{15}$ from $\frac{12}{15}$ and are then left with the answer.
11	Complete the part-whole model.	$\frac{2}{7}$
12	What's the missing fraction?	$\frac{4}{9}$
13	Is Saskia correct?	Saskia has only added the fractions, she has not subtracted $\frac{3}{14}$, even though she has represented this on her bar model.
14	Complete the number sentences.	Accept answers that satisfy the number sentences. Example answers: $\frac{4}{5} - \frac{1}{5} = \frac{1}{5} + \frac{2}{5}$ $\frac{1}{6} + \frac{5}{6} = \frac{2}{6} - \frac{1}{6}$