Arithmetic

1. 187 + 20
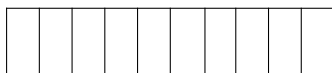
2. 348 + 385

3. 32 x 5

4. $\frac{9}{11} - \frac{2}{11}$

Practice: Subtract Fractions

5. Recap: Explain how to use the bar model to help you solve this calculation.
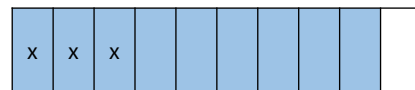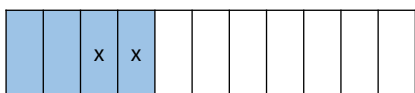
$\frac{9}{10} - \frac{4}{10}$

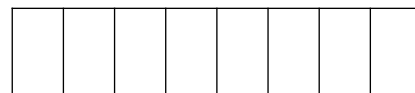**6.** Use the diagram to help you calculate

$\frac{9}{10} - \frac{3}{10}$

7. Use the diagram to help you calculate
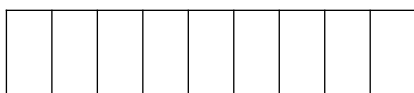
$\frac{4}{11} - \frac{2}{11}$

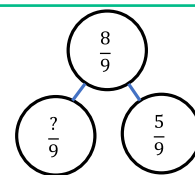**8.** Use the diagram to help you calculate

$\frac{7}{8} - \frac{4}{8}$

9. Use the diagram to help you calculate

$\frac{8}{9} - \frac{3}{9} - \frac{2}{9}$

10. Explain how to complete the part-whole model.

$\frac{8}{9}$

$\frac{?}{9}$ $\frac{5}{9}$

11. Complete the calculations
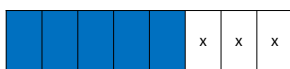
a. $\frac{7}{12} - \frac{6}{12}$

b. $\frac{6}{7} - \frac{2}{7}$

12. What is the missing fraction?

$\frac{10}{14} - \boxed{} = \frac{2}{14}$

13. Delilah is calculating $\frac{5}{8} - \frac{3}{8}$ using a bar model.

She says the answer is $\frac{5}{8}$.

Is she correct?

14. Luca subtracts two fractions.

He says, "Both of my fractions have the same denominator. Their difference is $\frac{1}{7}$." What could his fractions be?

$\boxed{ \over }$ and $\boxed{ \over }$

Challenge

You might want to talk to an adult

Spot the mistake

Answers

Q no.	Question	Answer
1	187 + 20	207
2	348 + 385	733
3	32 x 5	160
4	$\frac{9}{11} - \frac{2}{11}$	$\frac{7}{11}$
5	Explain how to use the bar model to help you solve this calculation.	The bar model can be used to display the first fraction (shading 9 out of 10 parts) then subtract the second fraction by crossing off the number of shaded parts indicated (4 out of 10 parts). Some pupils will become confused with bar models as they will cross out parts that are not shaded as well as those that are shaded.
6	$\frac{9}{10} - \frac{3}{10}$	$\frac{6}{10}$
7	$\frac{4}{11} - \frac{2}{11}$	$\frac{2}{11}$
8	$\frac{7}{8} - \frac{4}{8}$	$\frac{3}{8}$
9	$\frac{8}{9} - \frac{3}{9} - \frac{2}{9}$	$\frac{3}{9}$
10	Explain how to complete the part-whole model.	The circle at the top shows the whole. The two circles coming off the whole show the parts that make the whole. To find the missing part, the pupil must subtract $\frac{5}{9}$ from $\frac{8}{9}$
11	Complete the calculations	a. $\frac{1}{12}$ b. $\frac{4}{7}$
12	What is the missing fraction?	$\frac{8}{14}$
13	Is Delilah correct?	Delilah is incorrect, she has not crossed off the bars she has coloured in, this means she is subtracting $\frac{3}{8}$ from one whole instead of from $\frac{5}{8}$.
14	Luca subtracts two fractions. He says, "Both of my fractions have the same denominator. Their difference is $\frac{1}{7}$." What could his fractions be?	Accept any answer where the difference is $\frac{1}{7}$ Example answers $\frac{7}{7}$ and $\frac{6}{7}$ $\frac{6}{7}$ and $\frac{5}{7}$ $\frac{2}{7}$ and $\frac{1}{7}$