Arithmetic

1. 7 x 8 x 9

2. $\frac{3}{11}$ of 121

3. 5.06 – 3.7

4. 2,223 x 6

Practice: Subtract Numbers - Different Decimal Places

5. Recap: Explain why solving this calculation with column subtraction could be difficult.
2.1 - 0.34

6. Draw a place value grid and counters showing how to subtract these.

a. 7.5 - 2.41 b. 3.21 - 2.183

7. Calculate these.

a. £5 - £3.21 b. £5 - £1.93 c. £10 - £6.79

8. Use column subtraction to complete these calculations.

a. 5.92 – 3.7 b. 8.473 – 2.16 c.6.749 – 5.1

9. Calculate these.

a. 6.3 – 2.83 b. 9.86 – 3.574 c. 4.8 – 1.429

10. Explain the link between subtracting decimals and finding change (for example, paying for a £1.40 toy with a £5 note).

11. Calculate these.

a. 4.7 – 3.981 b. 10.3 – 4.007 c. 8.5 – 4.333

12. Calculate these.

a. 4.68 + 2.1 – 3.32

b. 6.7 – 1.345 + 4.97

13. Aizah says that to work out 3.5 - 1.99 she can calculate 35 – 199 and add a decimal point back in the answer. Is Aizah correct? Explain.

Challenge

14. Complete the calculation using the digits:

0, 2, 5, 8, 9

☐ . ☐ – ☐ . ☐ ☐ = 4.31

You might want to talk to an adult

Spot the mistake

Answers

Q no.	Question	Answer
1	7 x 8 x 9	504
2	$\frac{3}{11}$ of 121	33
3	5.06 – 3.7	1.36
4	2,223 x 6	13,338
5	Explain why solving this calculation with column subtraction could be difficult.	This calculation could be challenging as the first number has one decimal place and the second number has two decimal places. Errors pupils could make include misaligning the digits and forgetting to exchange in the hundredths column.
6	Draw a place value grid and counters showing how to subtract these.	a. 5.09, b. 1.027 Answers should be accompanied by appropriate pictorial representations.
7	Calculate these.	a. £1.79, b. £3.07, c. £3.21
8	Use column subtraction to complete these calculations.	a. 2.22, b. 6.313, c. 1.649
9	Calculate these.	a. 3.47, b. 6.286, c. 3.371
10	Explain the link between subtracting decimals and finding change (for example, paying for a £1.40 toy with a £5 note).	Money involves decimals and is often the first way pupils are introduced to decimals. When finding change, pupils will find the difference between the values or subtract. The process for finding change and subtracting decimals is the same.
11	Calculate these.	a. 0.719, b. 6.293, c. 4.167
12	Calculate these.	a. 3.46, b. 10.325
13	Is Aizah correct? Explain.	Aizah is incorrect for several reasons. The answer to 35 – 199 would be a negative number but 3.5 – 1.99 is a positive number. She has also implied that the decimal point can be 'removed' from a number, which is inaccurate. She would have to multiply each number by 100, subtract them and divide the answer by 100 to make this method work. It is inaccurate for pupils to believe that a decimal point can be moved or removed. Digits can be moved around a decimal point but the decimal point and columns themselves cannot be moved.
14	Complete the calculation using the digits: 0, 2, 5, 8, 9	5.2 – 0.89 = 4.31