

Maths—Subtracting decimals using column subtraction

Just like Tuesday, we are going to use column subtraction to subtract decimals. Keeping the decimal point lined up forces you to correctly line up the place values to ensure you subtract the right numbers. Remember to 'steal' if you need to, from the column next door (even if there is a decimal point 'in the way').

My working...

- | | |
|--|---|
| $\begin{array}{r} 9.619 \\ - 5.73 \\ \hline 3.889 \end{array}$ | <ul style="list-style-type: none"> Starting in the thousandths column, I did $9 - 0 = 9$. In the hundredths column, I couldn't do $1 - 3$ so I stole from the tenths column (making 6 to 5). Then back in the hundredths column I did $11 - 3 = 8$. In the tenths column I couldn't do $5 - 7$ so I stole from my units column (making 9 to 8). Back to my tenths column I did $15 - 7 = 8$. In the units column I did $8 - 5 = 3$. |
|--|---|

Complete one of the three tasks and then you may attempt Super C if you choose.

A

Work out

- | | | | |
|---|----------|----|----------|
| 1 | 4.73 | 7 | 67.1 |
| | $- 2.36$ | | $- 55.7$ |
| 2 | 61.8 | 8 | 83.8 |
| | $- 35.2$ | | $- 29.6$ |
| 3 | 7.54 | 9 | 76.0 |
| | $- 6.35$ | | $- 41.3$ |
| 4 | 80.9 | 10 | 52.5 |
| | $- 47.4$ | | $- 39.2$ |
| 5 | 5.62 | 11 | 91.7 |
| | $- 1.47$ | | $- 74.2$ |
| 6 | 95.9 | 12 | 48.3 |
| | $- 38.7$ | | $- 35.7$ |

- 13 The upper playground is 52.3 m long. The lower playground is 38.6 m long. How much longer is the upper playground?
- 14 Ross has £82.26. He spends £43.89. How much does he have left?
- 15 A sack of potatoes weighs 32.7 kg. 14.6 kg is used. How much is left?

B

Work out

- | | | | |
|---|-----------|----|------------|
| 1 | 56.2 | 7 | 5.17 |
| | $- 24.63$ | | $- 3.852$ |
| 2 | 3.374 | 8 | 54.636 |
| | $- 1.56$ | | $- 25.7$ |
| 3 | 17.81 | 9 | 7.92 |
| | $- 3.649$ | | $- 6.595$ |
| 4 | 92.8 | 10 | 91.44 |
| | $- 53.25$ | | $- 25.461$ |
| 5 | 4.736 | 11 | 76.4 |
| | $- 3.19$ | | $- 18.35$ |
| 6 | 80.9 | 12 | 6.245 |
| | $- 23.78$ | | $- 4.75$ |

- 13 A bath uses 92.6 litres of water. A shower uses 45.35 litres. How much less water is used by the shower?
- 14 A footpath is 417.28 km long. In two days Rhoda walks 53.7 km. How much further does she have to go to complete the walk?
- 15 An ice cream tub holds 1.535 litres. 0.865 litres is used. How much is left?

C

Set out as in the examples.

- | | |
|----|-----------------|
| 1 | $6.512 - 0.837$ |
| 2 | $5.635 - 2.52$ |
| 3 | $72.1 - 19.41$ |
| 4 | $4.706 - 2.77$ |
| 5 | $85.27 - 9.684$ |
| 6 | $16.4 - 2.935$ |
| 7 | $9.619 - 5.73$ |
| 8 | $11.03 - 6.472$ |
| 9 | $4.925 - 1.96$ |
| 10 | $12.58 - 5.734$ |
| 11 | $3.348 - 1.476$ |
| 12 | $50.26 - 3.822$ |

- 13 The summit of Ben Nevis is 1.344 km above sea level. The highest mountain in England, Scafell Pike, has a height of 0.977 km. How much higher is the Scottish mountain?



- 14 A large parcel weighs 2.51 kg. A smaller one is 0.716 kg lighter. What is the weight of the smaller parcel?

Super C

C

- 1 A pot of gold fish food holds 13 g. How much food is there in 175 pots in kilograms?
- 2 Each magazine in a stack is 18 mm thick. The stack is 61.2 cm tall. How many magazines are there?
- 3 Bottles of washing up liquid each hold 435 ml. There are 24 bottles in a box. How much washing up liquid is there in a box in litres?
- 4 One kilogram is 2.2 pounds weight (lbs). An American footballer weighs 277.2 lbs. What is this in kilograms?
- 5 The perimeter of a rectangular room is 22 m. The longest side is 6.5 m. What is the area of the room?
- 6 Each can of fruit weighs 350 g. How many cans would have a total weight of 15.4 kg?