

Mathematics

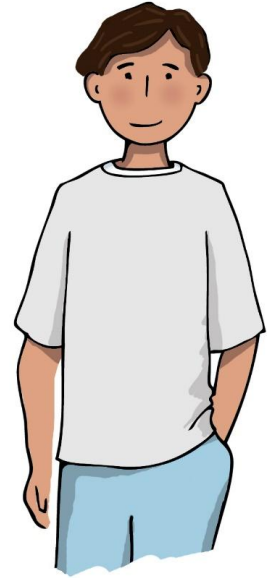
Finding two unknowns from simultaneous equations

Downloadable Resource

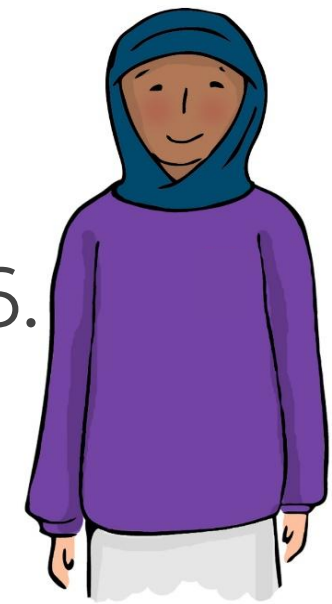
Ms Bridgett



Try this



Antoni buys 3 pens and 2 rulers. He spends £2.28.



Cala buys 7 pens and 2 rulers. She spends £4.36.

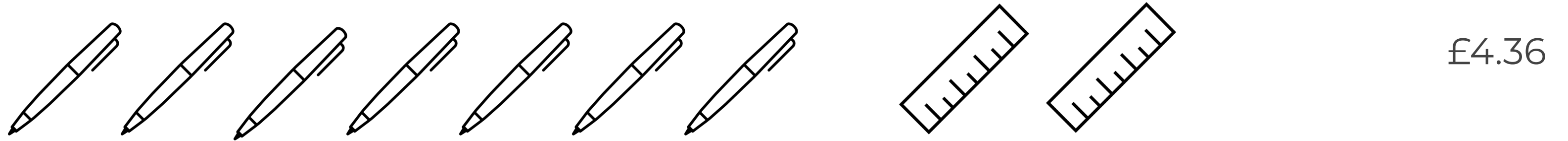
Work out the cost of 10 pens and 4 rulers.

What other quantities can you calculate?

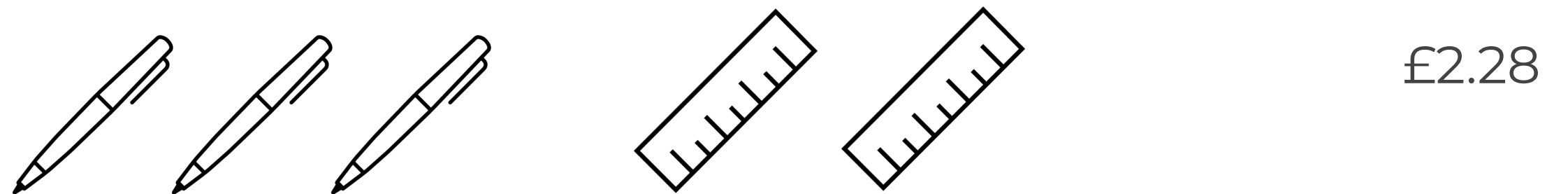


Connect

Cala buys 7 pens and 2 rulers. She spends £4.36.



Antoni buys 3 pens 2 rulers. He spends £2.28.



What's the same and what's different about their shopping.
Can you find the cost of one protractor and the cost of one ruler?



Independent task

Find the cost of the items

9 protractors and 8 rulers cost £6.80.
9 protractors and 6 rulers cost £6.

9 pens and 5 calculators cost £25.40.
2 pens and 5 calculators cost £21.20.

7 pencils and 2 highlighters cost £2.70.
2 highlighters and 6 pencils cost £2.40.

8 pencil cases and 9 notepads cost £15.60.
2 notepads and 8 pencil cases cost £12.80.



Explore

Price List
Pencil: 30p
Ruler: 50p
Calculator: £1

Use the price list to come up with 3 pairs of simultaneous equations.

Try to come up with one easy, one more difficult and one more unusual example.

