

Solving word problems (5)

Solve problems involving addition, subtraction, multiplication and division and a combination of these
Use all four operations to solve problems involving money using decimal notation, including scaling



For each question, count back in multiples of the number in the circle. Start at the number shown and write six numbers for each sequence.

- a 25 750, , , , , ,
- b 60 600, , , , , ,
- c 70 630, , , , , ,
- d 90 810, , , , , ,



Use the information below to answer the word problems.

Keyboard £428
Cello £526
Guitar £286
Drums £928
Clarinet £187
Violin £148

a A school buys 25 clarinets. What is the total cost?

b A music teacher buys 33 violins. How much do they cost altogether?

c A school buys 13 keyboards and 3 drum kits. How much do they spend?

d How much less does a keyboard cost than a drum kit?

e A music shop has a sale. All items are now half price. What are the new prices?

f What is the total cost if you buy 24 violins, 24 cellos and 24 guitars?

g A music club wants to buy 10 clarinets and 10 violins. How much will this cost them altogether?

h How much change do you get if you buy 16 cellos?

i A band buys a keyboard, a drum kit and 2 guitars. How much change do they receive from £2000?

j An orchestra has £1000 to spend on violins. How many violins can they afford?

k A school are trying to save enough money to buy a drum kit and cello. So far they have saved £850. How much more do they need to save?

l A school has been given £20 000 to spend on musical instruments. What would you buy? Get as close to £20 000 as you can.

Challenge 3

Find the answers to these problems.

- a 34 musicians went by plane to a concert. The price per person for the flight was £368. What was the total cost?
- b If sound travels through air at 334 metres per second, how far will it travel in 1 minute?
- c If a musician practised for 75 minutes each day, how many hours would this total in a year?

