

Match each word problem to the correct calculation, then match it to the correct answer.

Word problems

1. There are 413 students in total in the school hall for assembly. If 24 of these students are in the tutor group presenting the assembly, how many students are in the audience listening to the assembly?
2. Concert tickets cost £24 each. How much money is made on ticket sales if 413 tickets are sold?
3. A revision book has 413 pages of notes and exercises. There is also an index and an answer section of 24 pages in the back of the book. How many pages does the book have in total?
4. The maths department spent £413 on 24 fabulous new calculators. How much did each calculator cost, to the nearest penny?
5. Miss Budget's bank balance is £24. She then spends £413 on a shopping spree. What is her new bank balance?
6. A jar contains 413 sweets. They are shared out equally between a class of 24 students.
 - i. How many sweets will each child get?
 - ii. How many sweets will be left (for the teacher!)?
7. A heap of 413 school ties weighs 24kg. If each tie is identical, how much does one weigh, to the nearest gram?
8. A minibus can seat 24 people.
 - i. How many minibuses will be needed for 413 people?
 - ii. How many spare seats will there be?

Calculations

- a. $413 \div 24$ rounded to 2 decimal places
- b. $413 + 24$
- c.
- i. $413 \div 24$ rounded up
 - ii. $(24 \times \text{answer to part i}) - 413$
- d. $24 \div 413 \times 1000$
- e. 413×24
- f. $413 - 24$
- g.
- i. $413 \div 24$ rounded down
 - ii. $413 - (24 \times \text{answer to part i})$
- h. $24 - 413$

Answers

- a.
- i. 17
 - ii. 5
- b. 58
- c. 9912
- d. -389
- e. 17.21
- f.
- i. 18
 - ii. 19
- g. 437
- h. 389