

Solve multi-step problems in contexts, deciding which operations and methods to use and why.

Show your working out in your book.

To hire a taxi it costs:

£3 for every journey plus £1.50 per kilometre travelled

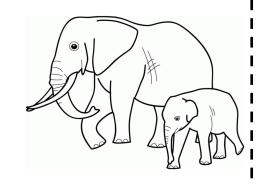
- a) Adam travels 5 km. How much does he pay?
- b) Gabs gets a taxi from her house to the train station. She pays £7.50. How far does she travel?
- c) Felix and Nick share the cost of a 10 km journey. How much do they each pay?



Two families go to the zoo.

The Burch family buy tickets for **2 adults** and **2 children** and pay **£25**.

The Jones family buys tickets for 1 adult and 2 children and pay £17.



How much does it cost for one child to visit the zoo?

- Zac buys 200g of Cheddar and 200g of Swiss cheese. He pays with a £5 note.
 - How much change does he get?
- b) How much **Cheddar** can you buy for £1.80?
- c) Marcus spends £4.86 on cheese. He buys 450g of Swiss cheese. How much Cheddar does he buy?







Solve multi-step problems in contexts, deciding which operations and methods to use and why.

(Mastery with greater depth)

Show your working out in your book.

To hire a taxi it costs:

£3 for every journey plus £1.70 per kilometre travelled

- a) Adam travels 9 km. How much does he pay?
- b) Gabs gets a taxi from her house to the train station. She pays with a £10 note and gets £1.90 change. How far does she travel?
- c) Felix, Nick and Eve share a taxi and split the cost equally. They each pay £6.10. How far did they travel?

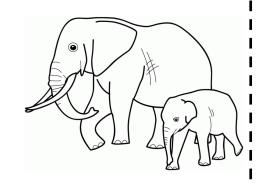


Two families go to the zoo.

The Burch family buy tickets for **2 adults** and **2 children** and pay **£23.40**

The Jones family buys tickets for 1 adult and 3 children and pay £20.70

How much does it cost for **one child** to visit the zoo?



- a) Marcus spends £3.15 on cheese. He buys 225g of Swiss cheese. How much Cheddar does he buy?
- b) Evie buys an **equal weight** of both cheeses. She spends **£3.96**. How much of each cheese does she buy?
- c) Sophia **spends the same amount** of money on both cheeses. She spends a **total of £3.60**.

How much more Swiss cheese does she buy than Cheddar?



Swiss Cheese 60p per 100g



L.O. To solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Teacher's notes

Useful interactive games to teach the skills needed for solving 2 step addition and subtraction problems:



http://mathsframe.co.uk/en/resources/resource/154/ using a calculator finding change

Interpret a two step word problem and use the calculator to solve.



http://mathsframe.co.uk/en/resources/resource/256/ Long Division Formal Written Method

Practice long division



http://mathsframe.co.uk/en/resources/resource/255/ Short Division Formal Method

Practice short division



http://mathsframe.co.uk/en/resources/resource/48/column subtraction

Practise column subtraction. Lots of choice over level. Scaffolds the process, so is a good starting point before moving on to independent written methods.



http://mathsframe.co.uk/en/resources/resource/22/column addition

Practise column addition. Lots of choice over level. Scaffolds the process, so is a good starting point before moving on to independent written methods.

Addition and Subtraction



http://mathsframe.co.uk/en/resources/category/9/ addition and subtraction

Lots of games to practise quick recall of addition facts and number bonds, which are vital skills for formal addition.

Answers:

1a) £10.50

b) 3km

c) £9 2) £4.50

3a) £2.36

c) 9km

b) 250g

c) 300g

Mastery with greater depth 1a) £18.30

b) 3km

2) If 2 adults and 2 children cost £23.40 then 1 adult and

1 child would be half that (£11.70), 1 adult and 3 children is an additional £9, so a child costs £4.50. There are other ways of 3a) 300g solving.

b) 300g

c) 50g