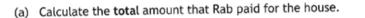
## SQA Past paper questions

## 2024 - Paper 2 - Questions 7(a) and (b)

Rab bought a house at auction to modernise and then sell. The purchase price was £85,800.

In addition, he paid:

- 1.5% of the purchase price in legal fees
- a fee of £250 to the auction house.



(b) Rab wanted to lay tiles on the hallway floor. He needs 36 boxes of tiles.

He looked at three different shops before buying the tiles.

Shop A	Shop B	Shop C
£26 per box	£32 per box	£22 per box
Special offer: Buy 2 boxes and get a third box half price	Special offer: 30% discount on total price when 20 or more boxes are purchased	

Determine the lowest price for buying 36 boxes of tiles.

Use your working to justify your answer.

Click here for video solution.



#### 2023 - Paper 1 - Question 12

Laura makes and sells fruit smoothies.

She intends to buy kiwi fruit in bulk.

She considers the following two options:

- Option 1: 35 kiwi fruit for £5.95
- Option 2: 45 kiwi fruit for £8.10

Determine which option offers the best value for money.

Use your working to justify your answer.

2





## 2023 - Paper 2 - Question 4(b)

The hotel bought a different mirror for the ballroom.

The options for mirrors are shown in the table.

Glass coating	standard: £12 per m²		anti-glare: £16 per m²		er m²	
Fixings	basic: £19 per mirror			dard: r mirror		nium: r mirror
Backing	no backing: £0 per mirror		foil backing: £20 per mirror			
CI	Bronze (per m²)		Silver (	per m²)	Gold (	per m²)
Glass colour and thickness	4 mm £18	6 mm £36	4 mm £38	6 mm £58	4 mm £66	6 mm £86.50



The hotel bought a mirror with an area of 3 m<sup>2</sup>.

The hotel chose the following options for the mirror:

- · 4 mm thick silver glass
- anti-glare glass coating
- standard fixings
- foil backing.

Calculate the total cost of this mirror. 2

Click here for video solution.



## 2023 - Paper 2 - Question 6(b)

Lorna visited Switzerland and decided to buy some cheese.



The cost of five types of cheese is shown in the table.

Lorna saw 3 different deals for buying cheese.

Type of cheese	Cost per 250 grams in Swiss francs
Emmental	2.50
Gruyere	7.50
Raclette	7.00
Edam	3.00
Mozzarella	2.00

2



Lorna is going to buy 250 grams of each cheese.

(b) Determine the best deal for buying all 5 cheeses. Use your working to justify your answer.



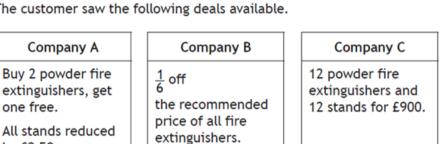


#### 2022 - Paper 2 - Question 6(c)

A customer wants to buy 12 powder fire extinguishers and 12 stands.

- The recommended price of one powder fire extinguishers is £78.
- The recommended price of one stand is £15.

The customer saw the following deals available.



extinguisher comes with a free stand.

To encourage the customer to buy from him instead, Pepe offers a 5% discount on the cheapest of these deals.

Each fire

Calculate how much Pepe will charge the customer. 3

Click here for video solution.

by £2.50.



### 2021 - Paper 2 - Question 4(b)

Ameena is also spreading a layer of bark in her garden.

She needs to buy 6300 litres of bark.

She has a choice of three brands.

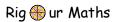
All the bark she buys will be the same brand.

Brand A	Brand B	Brand C
100 litres bag @ £6·99	90 litres bag @ £5·99	70 litres bag @ £4·79
Special Offer Two bags for £11.99		Special Offer Buy two bags get the third bag free

Determine which brand offers the cheapest price for Ameena to buy her bark.







## 2021 - Paper 2 - Question 7(b)

Dougie plans to buy circular pizzas from his local takeaway. He considers two options.

- A pizza with a diameter of 10 inches costs £4.
- A pizza with a diameter of 12 inches costs £5.30.

Both pizzas have the same uniform depth.

- 1 (i) Calculate the area of both pizzas.
- (ii) Hence calculate which size of pizza is better value per square inch. 3

Click here for video solution.



# 2019 - Paper 2 - Question 9(d)

This is the fourth book that David has written in this series of books.

The cost of each book is shown in the table.

The following special offers are available to buy all four books.

Book	Cost	Year published
1	£5·50	2013
2	£8-50	2015
3	£4·00	2016
4	£12·00	2019





Determine which shop offers the best deal for buying all four books.

Use your working to justify your answer. 3



Length of

contract

12 months

12 months

12 or 18

months 12 or 18

months

24 months

### 2018 - Paper 2 - Question 3

Package

В

C

D

(Mbps)

52

52

52

52

Ross will choose the package with the lowest overall annual price.



Monthly

broadband

cost

£19-99

£20.99

£16-99

£18-99

£15-99 for 1st

12 months then

£19-99

Initial

fee

£59-99

£59.99

£59-99

£109-99

Free

Monthly

line

rental

£8-95

£8-95

£7-99

£7.99

£6-99

3

Usage

25 GB

Unlimited

50 GB

Unlimited

50 GB

Ross is changing his internet package.

The table below shows the internet packages he is considering.

#### Ross requires:

- · a minimum speed of 52 Mbps
- at least 50 GB of usage
- a 12 month contract.

Which package will he choose?

Use your working to justify your answer.

Click here for video solution.



## 2018 - Paper 2 - Question 10(c)

Fiona is considering these 3 properties.





3



**Annual Council Tax** (to be paid in 12 equal Band D: £1501.32 monthly instalments) Band E: £1834-92 Band A: £1000-92 Band F: £2168-64 Band B: £1167-72 Band G: £2502-24 Band C: £1334-52 Band H: £3002-64

(c) Which property is the cheapest option? Use your working to justify your answer.





## 2017 - Paper 1 - Question 5(b)

Jane's personal trainer, Lynn, wants to buy one of each band A to G.

The recommended retail prices (RRP) of the bands are shown in the table below.



Band	Colour	RRP
Α	Yellow	£2·50
В	Red	£3·90
С	Black	£8·95
D	Purple	£10·95
Е	Green	£14·00
F	Blue	£17·00
G	Orange	£18·50

To buy all of the bands individually, the total RRP would be £75.80. Lynn considers the following special offers.

Shop 1 Shop 2 Shop 3 Buy orange, blue, and green bands at RRR Buy ALL Get remaining bands for..

(b) Which shop offers the cheapest option for buying one of each band? Use your working to justify your answer.

