

Sharing money

**Instructions**

* Use **black** ink or ball-point pen.
	+ **Fill in the boxes** at the top of this page with your name,
	centre number and candidate number.
* Answer **all** questions.
* Answer the questions in the spaces provided
*– there may be more space than you need.*
* You must **show all your working.**
* Diagrams are **NOT** accurately drawn, unless otherwise indicated.
* If your calculator does not have a *π* button, take the value of *π* to be3.142

unless the question instructs otherwise.

**Information**

* The total mark for this paper is **15**. There are **5** questions.
* Questions have been arranged in an ascending order of mean difficulty, as found by all students in the June 2017–November 2019 examinations.
* The marks for **each** question are shown in brackets
*– use this as a guide as to how much time to spend on each question.*

**Advice**

1. Read each question carefully before you start to answer it.
2. Keep an eye on the time.
3. Try to answer every question.
4. Check your answers if you have time at the end.

**1** Harry, Regan and Kelan share £450 in the ratio 2 : 5 : 3

How much money does Kelan get?

£.......................................................

**(Total for Question 1 is 2 marks)**

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**2** Ali, Ben and Cathy share an amount of money in the ratio 6 : 9 : 10

What fraction of the money does Ben get?

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**(Total for Question 2 is 2 marks)**

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**3** Annie and Lily share some money in the ratio 4 : 3

(*a*)What fraction of the money does Lily get?

......................................................

**(1)**

Rosie and Dan share some sweets.

Dan gets  of the sweets.

(*b*)Write down the ratio of the number of sweets Rosie gets to the number of sweets Dan gets.

......................................................

**(1)**

**(Total for Question 3 is 2 marks)**

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**4** Alan, Bispah and Chan share a sum of money.

Alan gets  of the money.

Bispah gets  of the money.

Chan gets the rest of the money.

Alan gets £2.50

(*a*)Work out how much money Bispah gets.

£.......................................................

(**2**)

(*b*)Find the ratio

amount of money Alan gets : amount of money Chan gets

 Give your answer in the form *a* : *b* where *a* and *b* are whole numbers.

.......................................................

(**3**)

(**Total for Question 4 is 5 marks**)

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**5** £360 is shared between Abby, Ben, Chloe and Denesh.

The ratio of the amount Abby gets to the amount Ben gets is 2 : 7

Chloe and Denesh each get 1.5 times the amount Abby gets.

Work out the amount of money that Ben gets.

£.......................................................

**(Total for Question 5 is 4 marks)**

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