

Buying a Mobile Phone

Solution

First, pupils need to work out if Peter has enough to pay his brother £40 from his birthday money.

Total money received:

Parents	£15
Grandmother	£10
Uncle Andrew	£ 5
Brother Sam	$\frac{£ 7}{£37} +$

They calculate that he is £3 short at present.

They calculate monthly earnings as follows:

Grandmother:		£ 8
Parents:	$£3 \times 4$ or $£3 + £3 + £3 + £3 =$	$\frac{£12}{£20} +$

A class discussion may develop to establish that there are usually 4 weeks in each month.

He has already committed to an online game membership of £4 each month.

This leaves him with £16 ($£20 - £4$).

The students deduce that he can afford the £8 SIM-only deal and that he will have $£16 - £8 = £8$ left over each month.

Peter could use £3 of this £8 during the first month and add to his birthday money to buy the phone.



Therefore, Peter can afford to buy the mobile phone, and he can also afford the SIM-only deal.

