

Who Is My Brother?

Ann, Mary, Jane and Kate each have one brother.
The sisters and brothers went shopping with £32 between them.

They spent all their money.



Use the clues to work out the name of each girl's brother

- Andrew spent the same amount as his sister
 - Tim spent twice as much as his sister
- Nick spent three times as much as his sister
- Simon spent four times as much as his sister

Learning and Teaching Objectives

- Identify the given facts and prioritise them
- Choose and use a recording system to organise the given information
- Use one piece of information at a time and see what effect it has
- Check the answer meets all the criteria

Who Is my Brother Solution

Ann £1	Simon £4	S £4	S £4	S £4	S £4	S £4
Mary £2	Andrew £2	A £2	N £6	N £6	T £4	T £4
Jane £3	Tim £6	N £9	T £6	A £3	A £3	N £9
Kate £4	Nick £12	T £8	A £4	T £8	N £12	A £4
Total £10	£24	£23	£20	£21	£23	£21

Ann £1	Nick £3	N £3	N £3	N £3	N £3	N £3
Mary £2	Andrew £2	A £2	S £8	S £8	T £4	T £4
Jane £3	Tim £6	S £12	T £6	A £3	A £3	S £12
Kate £4	Simon £16	T £8	A £4	T £8	S £16	A £4
Total £10	£27	£25	£21	£22	£26	£23

Systematic working fixing one variable → choosing who Ann's brother is and then seeing if the information can be made to fit