

Divide by 8 – Challenge:

Charlie and Allan are planning the layout for the school garden.



			
£8	£10	£18	£34

- 1) Charlie ordered some potted plants and one tree. If her order totalled £58, how many potted plants might she have ordered? Show your calculations.
- 2) Allan has worked out that there will be room for two different trees in the school garden. If the school has £92 to spend on the garden, how many potted plants can they order if they buy two different trees? Show your calculations.

Divide by 8 – Challenge Answers

1)

<i>If Charlie bought one apple tree:</i>	<i>If Charlie bought one plum tree:</i>	<i>If Charlie bought one cherry tree:</i>
$58 - 10 = 48$ $48 \div 8 = 6$ <i>She bought 6 potted plants.</i>	$58 - 18 = 40$ $40 \div 8 = 5$ <i>She bought 5 potted plants.</i>	$58 - 34 = 24$ $24 \div 8 = 3$ <i>She bought 3 potted plants.</i>

2)

<i>If they bought one apple tree and one plum tree:</i>	<i>If they bought one apple tree and one cherry tree:</i>	<i>If they bought one plum tree and one cherry tree:</i>
$10 + 18 = 28$ $92 - 28 = 64$ $64 \div 8 = 8$ <i>They can buy 8 potted plants.</i>	$10 + 34 = 44$ $92 - 44 = 48$ $48 \div 8 = 6$ <i>They can buy 6 potted plants.</i>	$18 + 34 = 52$ $92 - 52 = 40$ $40 \div 8 = 5$ <i>They can buy 5 potted plants.</i>