

# Problem Solving: Choices

(A) Will I work it out mentally, in my head?

Will I use jottings  
to help me?

(B) Will I work it out on  
paper, using a longer  
written method?

(C) Will I use a calculator?

# Problem Solving:



## Q.U.A.C.K.



<b><u>Q</u>uestion:</b>	It is Jenny's birthday on Saturday. She and 7 friends are going to the cinema, which costs £7.85 for each ticket. How much money does her Mum need to give Jenny before they go?								
<b><u>U</u>nderstand important information:</b>	7 friends plus Jenny = 8 people. £7.85								
<b><u>A</u>pproximate:</b>	£7.85 is approximately £8 £8 x 8 = £64								
<b><u>C</u>alculate:</b>	Partition: £7.85 = £7 + 80p + 5p <table border="1" data-bbox="737 1335 1209 1496"><tr><td>x</td><td>£7</td><td>80p</td><td>5p</td></tr><tr><td>8</td><td>£56</td><td>640p</td><td>40p</td></tr></table> £56.00 £6.40 <u>+ £0.40</u> <u>£62.80</u> ±	x	£7	80p	5p	8	£56	640p	40p
x	£7	80p	5p						
8	£56	640p	40p						
<b><u>A</u>nswer: (<u>C</u>heck)</b>	Jenny's mum needs to give her at least £62.80 before her and her friends go to the cinema. (Check: Is £62.80 close to £64? Yes, it is!)								