Trend Task:		Time	Machine
Approach:     Independent     Year:     4 & 8       Focus:     Addition and subtraction; place value       Resources:     Answer booklet			
Questions / instructions:	% response 2009 ('05)		% response 2009 ('05)
<ul> <li>Imagine you have a time machine. You can travel in it from this year (2005) back to the past and forward to the future. The trip meter can be set to show you what year you will travel to.</li> <li>1. Write what the trip meter will show if the time machine travels two years into the future from:</li> </ul>	year 4 year 8	<ul> <li>5. Write what the trip meter will show if the time machine travels two years back to the past from:</li> <li>2 0 0 5</li> <li>2 0 0 3</li> <li>6. Write what the trip meter will show if the time machine travels twenty years back to the past from:</li> </ul>	year 4 year 8 96 (92)
2 0 0 5 2 0 0 7 2 Write what the trip meter will show if the	77 (76) 98 (95)		74 (69)

2. Write what the trip meter will show if the time machine travels twenty years into the future from:



3. Write what the trip meter will show if the time machine travels two hundred years into the future from:

YEAR 8 ONLY:

4. Write what the trip meter will show if the time machine travels two thousand years into the future from:

2

Ω

0

0 5

0 5



7. Write what the trip meter will show if

8. Write what the trip meter will show if

years back to the past from:

the time machine travels two thousand

years back to the past from:

the time machine travels two hundred

2 0

1 8

2

0

0 5

0 5

0

64 (63)

72 (66)



0-2





88 (81)

## Commentary:

Between 2005 and 2009 there was a small improvement for year 8 students. Year 4 students were much less successful in changing the hundreds digit than the tens or ones digit.