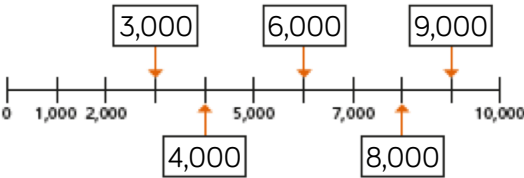
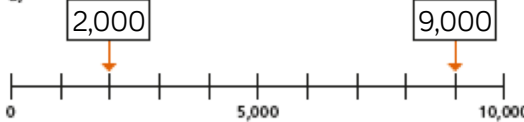
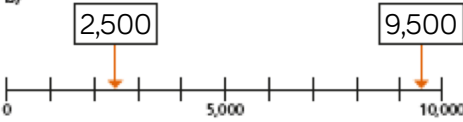
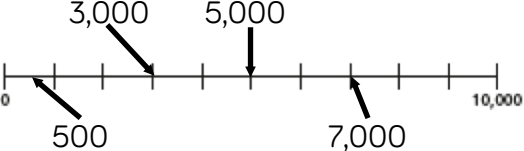
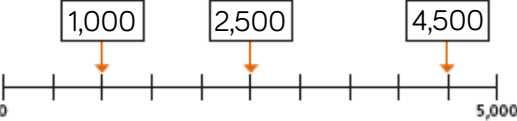








S#Z" +žS' S' Bartitioning Answers

Question	Answer
1	a) $2,156 = 2,000 + 100 + 50 + 6$ b) $5,308 = 5,000 + 300 + 8$ c) $6,120 = 6,000 + 100 + 20$
2	$3,472 = 3,000 + 400 + 70 + 2$ $3,472 = 2,000 + 1,400 + 70 + 2$ $3,472 = 1,000 + 2,400 + 70 + 2$
3	a) 2,000 600 50 in any order b) 7,000 30 9 in any order
4	a) 3 hundreds, 4 tens, 8 ones b) 5 thousands, 0 hundreds, 7 tens, 2 ones c) 2,760 d) 8,002 e) 5 tens, 4 ones f) 2 hundreds, 8 tens
5	a) 9 9 1,009 b) 56 7,100 7,150
6	1 thousand is made up of 10 hundreds so 20 hundreds make 2 thousands.
7	7,219 7,912
8	a) Card D b) Any statement that is equal to 4,600 e.g. $2,000 + 2,600$

Question	Answer
1	
2	<div>a) </div> <div>b) </div>
3	
4	a) 1,600 b) 7,130
5	2,600 2,800
6	
7	a) A = 2,000 B = 7,500 C = 9,990 b) Any three numbers between 2,000 and 7,500
8	If it went up in 1,000s there would be 10 intervals between 0 and 10,000 There are 20 intervals on the number line so it goes up in 500s.
9	a) Various possible answers as long as they are an equal distance from 2,400 e.g. 2,300 and 2,500, 2,390 and 2,410, 1,400 and 3,400 b) Various possible answers as long as 2,400 is approximately $\frac{3}{4}$ of the way between e.g. 2,100 and 2,500, 2,370 and 2,410

Question	Answer																												
1	a) Annie has made the number 315 b) 100 more than Annie's number is 415 c) 10 more than Annie's number is 325 d) 1 more than Annie's number is 316																												
2	The number represented is 492 a) 100 more than the number is 592 10 more than the number is 502 1 more than the number is 493 b) 100 less than the number is 392 10 less than the number is 482 1 less than the number is 491																												
3	a) 800 b) 485 c) 690 d) 147																												
4	a) 372 b) 190 c) 713 d) 705																												
5	a) 779 b) 235 c) 290 d) 394																												
6	a) 100 more than 763 is 863 b) 865 is 100 more than 765 c) 403 is 100 less than 503 d) 1 less than 300 is 299 e) 10 less than 109 is 99 f) 962 is 10 less than 972 g) 698 is 1 less than 699																												
7	Tom's number could have been 502, 412 or 403																												
8	<table><tr><th>100 more</th><th>10 more</th><th>1 more</th><th>number</th><th>1 less</th><th>10 less</th><th>100 less</th></tr><tr><td>573</td><td>483</td><td>474</td><td>473</td><td>472</td><td>463</td><td>373</td></tr><tr><td>398</td><td>308</td><td>299</td><td>298</td><td>297</td><td>288</td><td>198</td></tr><tr><td>1,000</td><td>910</td><td>901</td><td>900</td><td>899</td><td>890</td><td>800</td></tr></table>	100 more	10 more	1 more	number	1 less	10 less	100 less	573	483	474	473	472	463	373	398	308	299	298	297	288	198	1,000	910	901	900	899	890	800
100 more	10 more	1 more	number	1 less	10 less	100 less																							
573	483	474	473	472	463	373																							
398	308	299	298	297	288	198																							
1,000	910	901	900	899	890	800																							
9	990 is 10 less than Kim's number.																												

Question	Answer									
1	<table><tr><th>1,000 less</th><th>number</th><th>1,000 more</th></tr><tr><td>2,400</td><td></td><td>4,400</td></tr><tr><td>1,315</td><td></td><td>3,315</td></tr></table>	1,000 less	number	1,000 more	2,400		4,400	1,315		3,315
1,000 less	number	1,000 more								
2,400		4,400								
1,315		3,315								
2	a) 6,000 8,000 b) 2,918 4,918 c) 203 2,203									
3	a) 1,000 more than 4,192 is 5,192 b) 100 more than 4,192 is 4,292 100 less than 4,192 is 4,092 c) 10 less than 4,192 is 4,182 10 more than 4,192 is 4,202 d) 1 less than 4,192 is 4,191 1 more than 4,193									
4	a) 1,900 b) 1,990 c) 1,999									
5	a) 1,000 more than 7,163 is 8,163 b) 2,460 is 100 more than 2,360 c) 1,800 is 100 less than 1,900 d) 1 less than 1,500 is 1,499 e) 10 less than 109 is 99 f) 1,972 is 1,000 more than 972 g) 5,980 is 10 less than 5,990									
6	1,790 1,800 1,810 1,820 2,365 4,365 5,365 6,365									
7	Sometimes true, e.g. 100 more than 2,360 is 2,460 but 100 more than 2,960 is 3,060									
8	a) 5,290 f) 6,205 b) 1,395 g) 2,970 c) 7,080 h) 802 d) 7,100 i) 4,900 e) 3,962 j) 1,103									
9	a) 6,741 b) 6,842									

25. 09. 2020 Answers

Reasoning 1

Modelled DAB Reasoning Responses

D – Jane is correct.

A – $7,000 + 400 + 20 + 6 = 5,000 + 2,300 + 120 + 6$

B – $5,000 + 2,000 = 7,000$, $300 + 100 = 400$ and then $20 + 6$

Reasoning 2

Modelled DAB Reasoning Response

D – Ranjit has made a mistake.

A – He has not represented the base 10 correctly in the part whole model.

B – The base 10 represents the number 1,204. The part whole model shows the number 124. The part whole model should look like this:

Problem Solving 1

Answers will vary.

Examples for Asha:

Two 1,000 pieces, eleven 100 pieces, eight 10 pieces and seven 1 pieces.

One 1,000 piece, twenty-one 100 pieces, eight 10 pieces and seven 1 pieces.

Examples for Caleb:

Three 1,000 pieces, seventeen 10 pieces and seventeen 1 pieces.

Three 1,000 pieces, sixteen 10 pieces and twenty-seven 1 pieces.

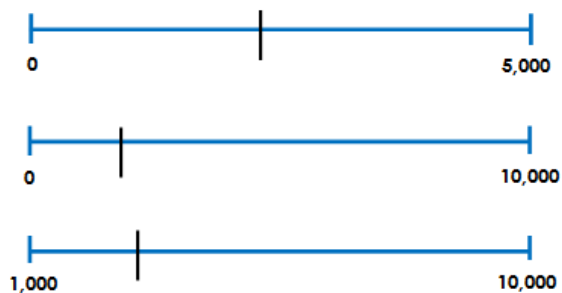


Reasoning 1

Modelled DAB Reasoning Responses

D – The number 2245 will be in a different place on each number line.

A – This is because each number line has a different start and end number. **B** –



Problem Solving 1

0 – 22548

5000 – 7548

5600 – 5748

0 – 5164

3000 – 4164

3800 – 3900

9900 – 10,000

8000 – 11,900

9000 – 10,900

Reasoning 11

Modelled DAB Reasoning Response

D – Ranjit is incorrect.

A – Adding or subtracting 1,000 does not change the number between odd and even.

B – The hundreds, tens and ones digits will never change when adding or subtracting 1,000. The ones digit decides if a number is odd or even. Since the ones digit won't change, the number won't change between odd and even.

Download our 'DAB' posters to support reasoning in your classroom:

<https://www.deepeningunderstanding.co.uk/product/dab-reasoning-posters/>

Problem Solving 1

There are many possible answers, for example:

Jerry = 10,000

Millie = 9,500

Jane = 7,500

Alfie = 8,500

