Tuesday answer 100s, 10s and 1s (1) Answers

| Question | Answer |
| :---: | :---: |
| 1 |  |
| 2 | a) 4 hundreds, 2 tens and 6 ones <br> b) 1 hundred and 5 tens <br> c) 5 hundreds, 3 tens and 2 ones |
| 3 | a) 469 <br> b) 337 <br> c) 950 <br> d) 803 |
| 4 | a) 348 is equal to 3 hundreds, 4 tens and 8 ones. <br> b) 673 is equal to 6 hundreds, 7 tens and 3 ones. <br> c) 792 is equal to 7 hundreds, 9 tens and 2 ones. <br> d) 308 is equal to 3 hundreds and 8 ones. <br> e) 751 is equal to 7 hundreds, 5 tens and 1 one. <br> f) 802 is equal to 8 hundreds and 2 ones. |
| 5 | a) $\begin{aligned} & 432=400+30+2 \\ & 435=400+30+5 \\ & 437=400+30+7 \end{aligned}$ <br> b) $\begin{aligned} & 520=500+20 \\ & 502=500+2 \end{aligned}$ <br> c) $\begin{aligned} & 392=300+90+2 \\ & 392=92+300 \\ & 392=2+390 \end{aligned}$ |
| 6 | a) 30 (3 tens) <br> b) 300 (3 hundreds) <br> c) 3 (3 ones) <br> d) 300 (3 hundreds) |
| 7 | a) 194 or 491 <br> b) $304,340,403,430$ |
| 8 | 462, 604 |

Wednesday Answers $100 \mathrm{~s}, 10 \mathrm{~s}$ and 1s (2) Answers

| Question | Answer |
| :---: | :---: |
| 1 | There are 529 sweets. |
| 2 |  |
| 3 | a) 734 <br> b) 392 <br> c) 210 <br> d) 72 |
| 4 | a) <br> b) <br> c) |
| 5 | a) <br> b) any numbers with a digit total of 10 , e.g. 325 or 811 <br> c) 910 |
| 6 | false <br> Whitney has mixed the tens and ones up. She is thinking of 583 |
| 7 | a) 413 <br> b) $233,215,224$ |

## Thursday Answers

(1) Complete the number lines.
a)

b)

c) $\begin{array}{llllllllllll} & 1 & & & \mid & \mid & & & & & & \\ 50 & 52 & 54 & 56 & 58 & 60 & 62 & 64 & 66 & 68 & 70\end{array}$
(2)


Show a partner that Ron is correct.
(3) What numbers are the arrows pointing to?
a)

b)

4. Draw an arrow to show where each number belongs on the number line.
a)

b)


5 Estimate the numbers the arrows are pointing to.
a)

b)

6) Complete the number lines.
a)

b)


7 Estimate where these numbers belong on the number line.


How did you do this? Talk about it with a partner.

## Friday Answers

## Reasoning 1

## Modelled DAB Reasoning Responses

D - False
A - The hundreds value in 763 and 963 is not the same.
B - The tens digits have the same value in these numbers (both 6 tens) and the ones digits also have the same value (both 3 ones) but the hundreds digits are different. In 763 there are 7 hundreds and in 963 there are 9 hundreds.

## Reasoning 2

## Modelled DAB Reasoning Response

D - Ranjit has made a mistake.
A - 230 was not the 2 nd largest number he could make using the digits provided.

B - Ranjit was correct with 974, as this is the largest number you can make. However, the next largest number he can make with the digits that are left is 320

## Reasoning 3

## Modelled DAB Reasoning Response

D - The number is 395 .
A - The other two numbers would not fit with all the clues provided.
B - Looking at clue 1 'All of my digits are odd', we can dismiss the number 639 as 6 is an even number. We then need to use the other clues to work out if it is 573 or 395 . From clue 2 we cannot dismiss either of the other numbers as the
tens are greater than the ones in both numbers. We have to look at the last clue 'The ones digit is a multiple of 5 ' to find out that the only option is 395 as 5 is a multiple of 5 . We can dismiss 573 as 3 is not a multiple of 5 . Therefore, the number is 395 .

## Reasoning 4

## Modelled DAB Reasoning Response

D - I agree with Marlon
A - There are 11 tens in 118.
$\mathbf{B}-\mathrm{I}$ know this is correct because there are 10 tens in 100 so in 110 there will be 11 tens.

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

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

## Problem Solving 1

For the first number there are 3 possibilities:
224,225 or 226
For the second number there are 10 possibilities:
151, 152, 153, 154
251, 252, 253
351, 352
451
For the third number there is only 1 possibility:
721
Problem Solving 2
There are 2 possible numbers:
920 or 366

