

FOUNDATION PLACE VALUE & ROUNDING

Mastery Worksheet

I DO

1.

- (a) Write the number 43 020 in words.
- (b) Write down the value of the 3 in the number 43 020.
- (c) Write 0.486 correct to 2 decimal places.

WE DO

2.

- (a) Write the number 56 040 in words.
- (b) Write down the value of the 6 in the number 56 040.
- (c) Write 0.734 correct to 2 decimal places.

YOU DO 1**3.**

- (a) Write the number 72 050 in words.
- (b) Write down the value of the 2 in the number 72 050.
- (c) Write 0.389 correct to 2 decimal places.

YOU DO 2**4.**

- (a) Write the number 91 035 in words.
- (b) Write down the value of the 1 in the number 91 035.
- (c) Write 0.615 correct to 2 decimal places.

CHALLENGE 1

5.

- (a) Write the number 504 020 in words.
- (b) Write down the difference between the value of the 4 and the value of the 2 in 504 020.
- (c) Write 3.0582 correct to 3 decimal places.

CHALLENGE 2

6.

A number y rounded to 1 decimal place is 6.4.

- (a) Write down the lower bound of y .
- (b) Write down the upper bound of y .
- (c) Write 0.0984 correct to 2 significant figures.

ANSWERS & WORKED SOLUTIONS**1 (I Do)**

- (a) Forty-three thousand and twenty
- (b) 3 000 (or three thousand)
- (c) 0.49

2 (We Do)

- (a) Fifty-six thousand and forty
- (b) 6 000 (or six thousand)
- (c) 0.73

3 (You Do 1)

- (a) Seventy-two thousand and fifty
- (b) 2 000 (or two thousand)
- (c) 0.39

4 (You Do 2)

- (a) Ninety-one thousand and thirty-five
- (b) 1 000 (or one thousand)
- (c) 0.62

5 (Challenge 1)

- (a) Five hundred and four thousand and twenty0
- (b) $4\,000 - 20 = 3\,980$
- (c) 3.058

6 (Challenge 2)

- (a) 6.35
- (b) 6.45
- (c) 0.098