C4.7 | Counting in Fractions

1. Count in eighths from one eighth to one whole.

Complete the fraction and decimal rows.

Whole number	Not whole	Not whole	Not whole	Not whole	Not whole	Not whole	Not whole	1
Fractions (in eighths)	$\frac{1}{8}$							$\frac{8}{8}$
Decimal	0.125	0.250	0.375					1.000

2. Count in steps of 0.125 from 2.125 to 3.

2.125 , _____ , _____ , _____ , _____ , _____ , _____ , 3.000

3a. Count in eights from 8 to 80.

_____ , _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

Optional working bars for Questions 3b–5

3b. 104 ÷ 8 = _____

4. $\frac{1}{8}$ × 104 = _____

5. $\frac{10}{8}$ × 104 = _____

6. Write each fraction as a decimal.

Then list the decimals in order, smallest first.

Fraction	$\frac{7}{5}$	$\frac{5}{4}$	$\frac{11}{8}$
Decimal			
Smallest first			

C4.7 | Place value

7. Is 7,825,403 a seven-digit number? _____

Write Yes or No.

8. Write the ten-thousands digit in 7,825,403. _____

Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
7	8	2	5	4	0	3

9. Write ten thousand more than 7,825,403.

_____

10. Round 7,825,403 to the nearest ten thousand.

_____

11. What is the value of the digit 7 in 7,825,403?

_____

12. Write 7,825,403 in expanded form.

Include the zero tens.

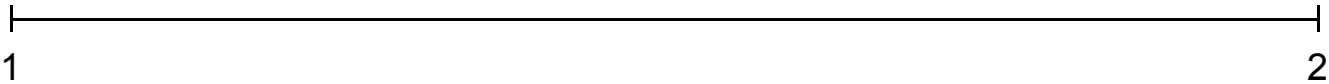
_____ + _____ + _____ + _____ +

_____ + _____ + _____

13. Rank the numbers: 1 = smallest; 4 = largest.

1.00	Rank		1.75	Rank	
1.50	Rank		1.38	Rank	

14. Mark and label the four numbers on this number line.



C4.7 | Addition and subtraction

15. Add using a written algorithm.

	Ten thousands	Thousands	Hundreds	Tens	Ones
Carry					
		6	8	4	6
+		4	7	6	8

16. Subtract using a written algorithm.

	Ten thousands	Thousands	Hundreds	Tens	Ones
Regroup					
	7	3	3	6	3
−	5	9	6	7	8

17. Solve mentally.

17a. 11 − _____ = 5

17b. 5,740 − _____ = 4,305

C4.7 | Multiplication and division

18. Complete the table, then solve the equation.

8 ÷ 8	80 ÷ 8	800 ÷ 8	72 ÷ 8

8 × _____ = 872

19. 9.2 × 10 = _____

Fill the result row. DP = decimal point.

Tens	Ones	DP	Tenths	Hundredths
	9	.	2	

20. 9.2 ÷ 10 = _____

Fill the result row. DP = decimal point.

Tens	Ones	DP	Tenths	Hundredths
	9	.	2	

21. Complete 836 × 8 using the area model.

The model is not to scale.

×	**800**	**30**	**6**
8			

Addition: _____ + _____ + _____

Answer: _____

22. Write the multiples of 8 from 8 to 80.

_____ , _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

Working (optional)

408 ÷ 8 = _____

8 | 4 0 8