C4.8 | BATTLE

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

Complete the table. A dash means there is no whole-number equivalent.

Whole number	—	—	—	—	—	—	—	1
Fraction	$\frac{1}{8}$							
Decimal	0.125	0.250	0.375					1.000

2. Count in 0.125s from 5.125 to 6.000.

5.125 _____ , _____ , _____ , _____ , _____ , _____ 6.000

3–7. Calculate, then shade each answer on its bar.

Each bar has eight equal parts and represents a total of 120.

3. 120 ÷ 8 = _____ 0 | | | | | | | | | 120

4. $\frac{1}{8}$ × 120 = _____ 0 | | | | | | | | | 120

5. 0.125 × 120 = _____ 0 | | | | | | | | | 120

6. 12.5% × 120 = _____ 0 | | | | | | | | | 120

7. $\frac{3}{8}$ × 120 = _____ 0 | | | | | | | | | 120

8. Write each decimal. Rank: 1 = least, 3 = greatest.

Use an ellipsis (…) if the decimal continues forever.

	$\frac{13}{8}$	$\frac{7}{4}$	$\frac{5}{3}$
Decimal			
Rank			

Write Yes or No.

9. Does 84,765,203 have eight digits?

_____

10. Count complete groups of 100,000 in 84,765,203.

_____

TM	M	HTH	TTH	TH	H	T	O
8	4	7	6	5	2	0	3

11. Round 84,765,203 to the nearest ten million.

_____

12. What is two hundred thousand more than 84,765,203?

_____

13. Write the value of the digit 7 in 84,765,203 as a product.

_____ × _____

14. Write 84,765,203 in expanded form. Include the zero tens term.

_____ + _____ + _____ + _____ +

_____ + _____ + _____ + _____

15. Write 85% as a decimal.

_____

16. 0.74 × _____ = 7.4

17. 7.0 ÷ _____ = 0.70

18. 0.75 × 10 = _____

19. 7.7 ÷ 10 = _____

Powers of ten: optional working

1000	100	10	1	0.1	0.01	0.001

20. Add using a column algorithm.

	100,000	10,000	1,000	100	10	1
		4	9	6	6	6
		3	9	5	3	3
+		2	7	8	4	5

21. Subtract using a column algorithm.

Use the working row for regrouping.

	100,000	10,000	1,000	100	10	1
	9	5	3	6	4	3
−	4	7	9	7	5	8

22. Solve mentally.

a) 54 − _____ = 6

b) 45,986 − _____ = 25,262

23. Complete a–c, then solve d.

a) 48 ÷ 8	b) 480 ÷ 8	c) 8 ÷ 8

d) 8 × _____ = 488

24. 6.8 × 100 = _____

Complete the bottom row.

100	10	1	.	0.1	0.01	0.001
		6	.	8		

25. 6.8 ÷ 100 = _____

Complete the bottom row.

100	10	1	.	0.1	0.01	0.001
		6	.	8		

26. Solve 64 × 35 using the area model.

×	60	4
30		
5		

Add: _____ + _____ + _____ + _____

Answer: _____

27a. Write multiples of 8 from 8 to 80, inclusive.

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

27b. 8,256 ÷ 8 = _____

$$8 \overline{)\ 8\ 2\ 5\ 6}$$