Counting in Fractions

1. **Count** by $\frac{1}{2}$, from 0 to 4.

Complete the whole/mixed, fraction and decimal rows.

Whole/mixed	0	X							4
Fraction	$\frac{0}{2}$	$\frac{1}{2}$							
Decimal	0.0	0.5							

2. Count by **0.5**, from 4.5 to 8.

4.5 , _____ , _____ , _____ , _____ , _____ , _____ , _____

Fractions, Decimals and Percentages

3. **356 ÷ 2** = _____

0 356

4. $\frac{1}{2}$ × **356** = _____

0 356

5. **0.5** × 356 = _____

0 356

6. **50%** × 356 = _____

0 356

7. $\frac{3}{2}$ × **356** = _____

0 356

8. Convert each **decimal** to a **fraction**.

Use **Question 2** to help. Write your answers as **halves**.

Decimal	4.5	5.0	5.5
Fraction	$\frac{\quad}{2}$	$\frac{\quad}{2}$	$\frac{\quad}{2}$

Place Value

10. Can you read the eight-digit number: **17,503,824**? Yes / No

11. How many **hundred thousands** in **17,503,824** ? _____

TM	M	HTh	TTh	Th	H	T	O
1	7	5	0	3	8	2	4

12. Round **17,503,824** to the nearest **ten million**:

_____

13. What is **two hundred thousand** more than **17,503,824** ?

_____

14. In the number **17,503,824**, what is the value of the **1** digit?

___ × _____

15. Write **17,503,824** in **EXPANDED FORM**

_____ + _____ + _____ + _____ +

_____ + _____ + _____ + _____

16. What is **70%** as a decimal: _____

Powers of 10

17. **0.55** × _____ = **5.5**

18. **3.2** ÷ _____ = **0.32**

19. **0.82** × 10 = _____

20. **2.2** ÷ 10 = _____

Th	H	T	O	DP	Tth	Hth	Thth
				.			
				.			

Addition Is Subtraction

21. Add using a written algorithm.

	TTh	Th	H	T	O
Carry/regroup					
	1	9	7	2	5
	1	5	3	3	7
+	1	3	6	8	1
Working					

22. Subtract using a written algorithm.

	HTh	TTh	Th	H	T	O
Carry/regroup						
	7	7	5	9	7	8
−	5	9	8	3	3	8

23. Solve these questions mentally.

15 − ___ = 2

54,870 − _____ = 54,550

Multiplication Is Division

24. Complete the parts, then solve the equation.

Starting fact

30 ÷ 2

Use these parts

300 ÷ 2	**24 ÷ 2**

2 × _____ = 324

25. 7.8 × 100 = _____

H	T	O	DP	Tth	Hth	Thth
		7	.	8		
			.			

26. 7.8 ÷ 100 = _____

H	T	O	DP	Tth	Hth	Thth
		7	.	8		
			.			

27. Solve **45 × 68** using the **area model**.

×	40	5
60		
8		

Addition: _____ + _____ + _____ + _____

Answer: _____

28. Write the **multiples of 2** from **2 to 20**.

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

Solve the equation **two ways**:

6,479 ÷ 2 = _____

_____

2 | 6 4 7 9