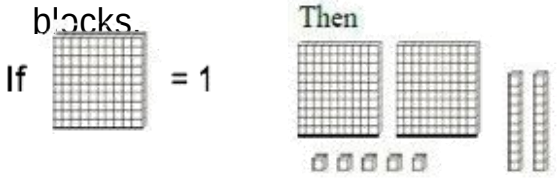
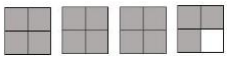
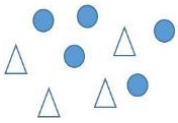
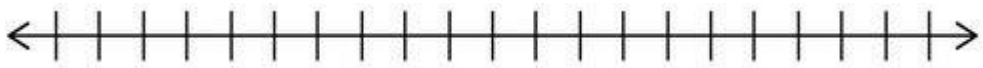
Grade 7 Entry Screener 'A'

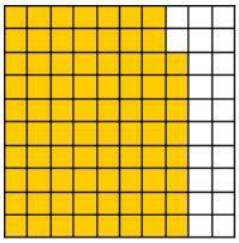
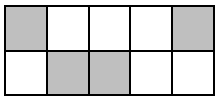
Teacher

1. Continue counting. 532 996, 532 997, 532 998,_____, _____, _____	2. Write the value of the underlined digit in numbers or words. **5 <u>2</u>63 754**
WN PV N 5.1 Place Value	WN PV N 5.1 Place Value
3. Write the value of the underlined digit in words or fraction form. **56.9<u>7</u>4**	4. Write the value of the number representedby the base 10 blocks. 
WN PV N6.1 Place Value Decimal	WN PV N 5.6 Place Value Decimal
5. Write the number **48 203 055** in **expanded** form.	
WN PV N6.1 Place Value (greater than one million and less than one one-thousandth)	
6. Write the number 37 021 977 in word form:	
WN PV N6.1 Place Value (greater than one million and less than one one-thousandth	
7. This number is written in expanded form: **70 000 000 + 5 000 000 + 40 000 + 2 000 +90 + 3.** Rewrite the number in **standard number** form.	
WN PV N6.1 Place Value (greater than one million and less than one one-thousandth)	
8. Write the number nine hundred thousand five hundred thirty-seven in **standard** form	

WN PV N6.1 Place Value (greater than one million and less than one one-thousandth)		
9. Write in lowest terms: $\frac{12}{18}$	10. Change to a mixed number: $\frac{25}{7}$	11. Write $3\frac{2}{5}$ as an improper fraction (common fraction).
F N 5.5 Fractions	F N6.7 Fractions	F N6.7 Fractions
12. Write >, <, or = $\frac{1}{3} \bigcirc \frac{1}{4}$	13. Write >, <, or = $\frac{4}{10} \bigcirc \frac{12}{30}$	14. Order least to greatest: 0.64, 0.8, 0.259
F O N 5.5 Fractions	F O N 5.5 Fractions	F O N 5.6 Decimals
15. Express as a mixednumber. 	16. Express as an improperfraction. 	17. What is the ratio of triangles to circles? 
F N 6.7 Fractions	F N 6.7 Fractions	RR N 6.8 Ratio
18. What is being compared by the ratio3:8? 	19. Express $\frac{8}{3}$ as mixed number.	20. Write $5\frac{1}{4}$ as an improper fraction.
RR N 6.8 Ratio	F N 5.5 Fractions N 6.7 Fractions	F N 5.5 Fractions N 6.7 Fractions

21. Place these integers on the number line: +4, 0, -3, +7, -5, -1, +1



F N 5.5 Fractions N 6.7 Fractions		
Write $\frac{7}{100}$ as a decimal.	23. Write 0.337 as a fraction.	24. Convert 0.06 to a percentage. 0.06 = _____%
F DC N 5.6 Decimals	F DC N 5.6 Decimals	DC P N 6.5 Percent
25. What percent of the diagram is shaded? 	26. What percent of thediagram is shaded? 	27. Add: $5.783 + 366.291 =$
P N 6.5 Percents	P N 6.5 Percents	A DC N 5.7 Add/Subtract Decimals
28. Subtract: $56.854 - 41.243 =$	29. Subtract: $63.052 - 9.548 =$	30. Multiply: 4 x 675 =
A DC N 5.7 Add/Subtract Decimals	A DC N 5.7 Add/Subtract Decimals	M N 5.2 Multiplying Whole Numbers
31. Multiply: 45 x 1 000 =	32. Multiply: 3 x 15 =	33. Divide:
M N 5.2 Multiplying Whole Numbers	M N 5.2 Multiplying Whole Numbers	D N 5.3 Dividing Whole Numbers
34. Multiply: 4.586 x 6 =	35. Divide:	36. What integer is 3 morethan -5?
M DC N. 6.4 Multiplying Decimals	M DC N. 6.4 Multiplying Decimals	I O N 6.6 Integers
37. What is the greatest common factor (GCF) of 16 and 24?	38. What is the least common multiple (LCM) of 9 and 12?	39. Circle the prime number. 18, 15, 17
FM N 6.2 Factors and Multiples	FM N 6.2 Factors and Multiples	FM N 6.2 Factors and Multiples

40. Solve. (Use order of operations.)

$5 \times 3 + 12 \div 2 =$

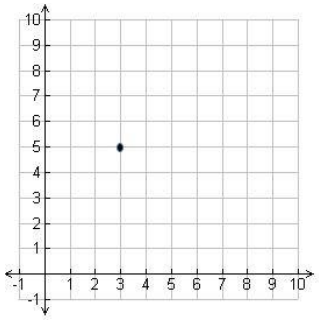
OO N 6.3 Order of Operations

41. Solve. (Use order ofoperations.)

$20 - 6(2) \div 4 + 7 =$

OO N 6.3 Order of Operations

42. What are the coordinatesof the point?



PR P 6.1 Patterns and Relations

43. Complete the table.

Input	Output
2	
3	9
	11
5	
6	15

PR P 5.1 Patterns and Relations

44. Solve for :

$7 + x = 15$

EQ P 5.2 Patterns and Relations

45. Solve for :

$3x = 21$

EQ P 5.2 Patterns and Relations

46. What is the pattern rule? Write an expression to represent the pattern.

Input	Output
1	2
2	5
3	8
4	11

PR EQ P 6.1 Solving Equations

47. Fill in the table for

1	
2	
3	
4	

PR EQ P 6.1 Solving Equations

47. Fill in the table for

1	
3	
5	
10	

PR EQ P 6.1 Solving Equations

49. Write an expression for “three times a number minus four”.

50. Write an equation for the statement“ four times a number equals 20.”

EQ P5.1 Solving Equations P6.3 Solving Equations	EQ P5.1 Solving Equations P6.3 Solving Equations