Student First

Grade 6 Entry Screener 'A'

Key

1. Continue counting.

21 996, 21 997, 21 998,

21 999 , 22 000 , 22 001

2. Write the value of the underlined digitin numbers or words.

53 723

50 000 or

fifty thousand

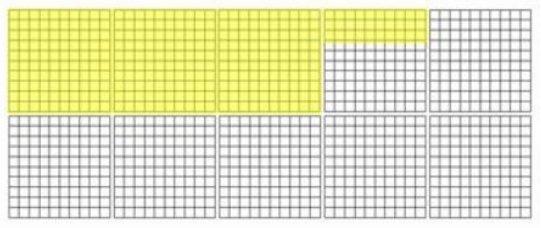
3. Write the value of the underlined digit or words or fraction form.

56.975

$\frac{7}{100}$ or

seven hundredths

4. This thousandth grid represents **1 whole**. What decimal describes theshaded part?



$\frac{330}{1\,000} = 0.330 \; or \; 0.33$

5. Write the number 661 848 in **word** form.

six hundred sixty-one thousand eight hundred forty-eight

6. This number is written in expanded form: 900 000 + 40 000 + 4 000 + 700 + 30 +5. Rewrite the number in **standard number** form.

944 735

7. Write the number six hundred fifty-one thousand thirty-six in **standard number** form.

651 036

8. Write the number ninety thousand four hundred thirty-two in **expanded form.**

90 000 + 400 + 30 + 2

9. Subtract:

$15\,341 - 13\,201 =$

15 341
- 13 201
2 140

10. Add:

$341\,422 + 98\,381 =$

341 422
+ 98 381
439 803

11. Subtract:

$$874\,381 - 13\,270 =$$

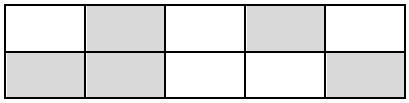
874 381
- 13 270
861 111

12. Subtract:

$$235\,026 - 48\,581 =$$

235 026
- 48 581
186 445

13. What fraction would describe the shaded part of the diagram?



$\frac{5}{10}$ or $\frac{1}{2}$

14. Order the following fractions fromsmallest to largest.

$$\frac{7}{10}, \frac{4}{10}, \frac{3}{10}, \frac{8}{10}$$

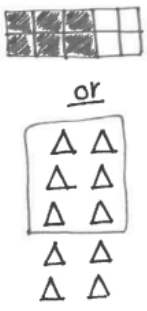
$\frac{3}{10}, \frac{4}{10}, \frac{7}{10}, \frac{8}{10}$

15. Order the following fractions from smallest to largest.

$$\frac{5}{6}, \frac{1}{3}, \frac{1}{2}, \frac{2}{3}$$

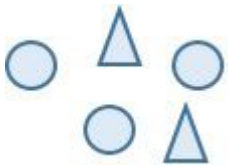
$\frac{1}{3}, \frac{1}{2}, \frac{2}{3}, \frac{5}{6}$

16. Draw a picture to show $\frac{6}{10}$.



Pictures may vary

17. What fraction ofthis set is triangles?



$\frac{2}{5}$

18. Write >, <, or =

$\frac{1}{3}$ (>) $\frac{1}{4}$

19. Write >, <, or =

$\frac{4}{10}$ (=) $\frac{12}{30}$

20. Order the following numbers from least to greatest:

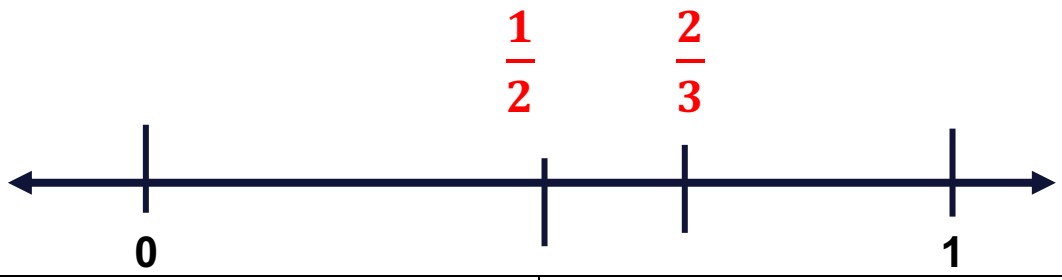
0.64 0. 8 0.259

0.259, 0.64, 0.8

21. Circle the larger number:

$\frac{1}{5}$ $\frac{1}{9}$

22. Place the fractions $\frac{2}{3}$ and $\frac{1}{2}$ approximately where they belong on the number line:



23. Write an equivalent fraction for

$\frac{6}{10}$

$\frac{3}{5}$ or $\frac{12}{20}$ or $\frac{18}{30}$

24. Write an equivalent fraction for

$\frac{20}{40} = \frac{2}{4} = \frac{1}{2}$

$\frac{200}{400}$ or $\frac{4}{8}$

25. Write $\frac{7}{100}$ as a decimal.

0.07

26. Write 0.84 as afraction.

$\frac{84}{100}$

27. Write 0.337 as a fraction.

$\frac{337}{1\,000}$

28. Add:

12.59 + 12.59 =
25.18

29. Add:

53.784 + 366.298 =

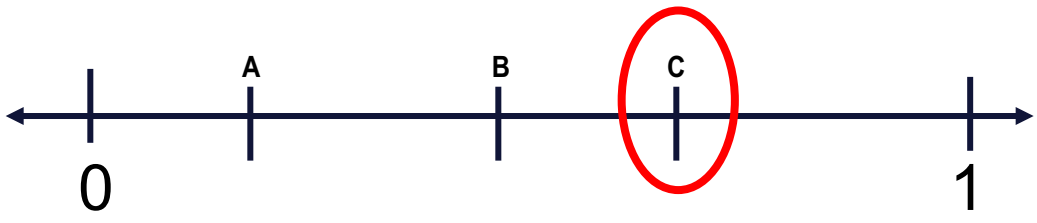
$$\begin{array}{r} 53.784 \\ +\ 366.298 \\ \hline 420.082 \end{array}$$

30. Subtract:

2.38 – 1.17 =

$$\begin{array}{r} 2.38 \\ -\ 1.17 \\ \hline 1.21 \end{array}$$

31. Which would be closest to 0.69 on this number line? (**A**, **B** or **C**?)



32. Solve:

3 x 15 = **45**

33. Solve:

4 x 675 = **2 700**

34. Solve:

37 x 23 = **851**

35. Solve:

45 x 1 000 =

45 000

36. Solve:

$71 \div 6 =$

$$\begin{array}{r} 11 \\ 6\overline{)71} \\ -\,6 \\ \hline 11 \\ -6 \\ \hline 5 \end{array}$$

11 R 5 or $11\frac{5}{6}$ or 11.83

37. Solve:

$315 \div 4 =$

$$\begin{array}{r} 78 \\ 4\overline{)315} \\ -\,28 \\ \hline 35 \\ -32 \\ \hline 3 \end{array}$$

78 R 3 or $78\frac{3}{4}$ or 78.75

38. Estimate the sum of the following to the nearest thousand:

$$\mathbf{1\,395 + 8122}$$

1 000 + 8 000 = 9 000

39. Estimate the difference:

$$6\,565 - 1\,511$$

7 000 - 2 000 = 5 000
(rounding to nearest thousand)

6 600 – 1 500 = 5 100
(rounding to nearest hundred)

40. Estimate the sum:

$$1\,422 + 2\,329$$

1 000 + 2 000 = 3 000
(rounding to nearest thousand)

1 400 +2 300 = 3 700
(rounding to nearest hundred)

41. Estimate the product:

$$18 \times 72$$

20 x 70 = 1 400

42. Here is a pattern chart for Tom's tower. Extend the chart.

Level	Number of Blocks
1	2
2	5
3	8
4	11
5	14
6	17
7	20

43. Write an equation using a symbol and solve:

There are 8 children who want to share 40 pieces of gum. How many will each of them get?

$$8x = 40$$

or

$$40 \div 8 = x$$

$$x = 5$$

44. Complete the table.

Input	Output
2	7
3	9
4	11
5	13
6	15

45. Solve for x:

$$7 + x = 15$$

$$x = 15 - 7$$

$$x = 8$$

46. Solve for x:

$$3x = 21$$

$$x = 21 \div 3$$

$$x = 7$$

47. Write an expression for "three times a number minus four."

$$3n - 4$$

48. Write an equation for the statement "four times a number equals 20."

$$4n = 20$$