Show what you Know about Math!   Name_____

How do you feel about Math? Circle one.

Recall: We can represent a number several ways

Standard Form	Expanded form	Word form
86 458	80 000 + 6000 + 400 + 50 + 8	Eighty-six thousand four hundred fifty-eight

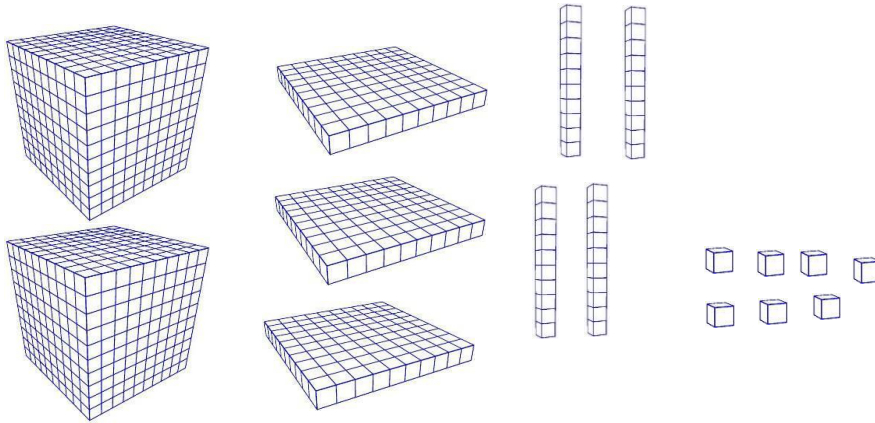|	
1) Write **301 982** in word form.	
2) Write **40 000 + 3 000 + 700 + 60 + 2** in standard form.	3) Write the number **seven hundred fifty-six thousand nine hundred thirty-seven** in standard form.
4) Write the number **three million two hundred thirty-nine thousand thirty-seven** in standard form.	5) Write the value of the **underlined** digit: **34 9**04
6) Write the value of the underlined digit: **6**21 384	7) Write a number greater than **387 450** and less than **400 000**.

8) Write the number **3 605 084** in expanded form.

9) Fill in the blanks to continue the counting pattern.

27 997 , 27 998 , _____ , _____ , _____

10) Write the number that is represented by these base ten blocks in **standard form.**

Note:
☐ = 1 whole

11) Order these numbers from **least to greatest.**

| 618 951 | | 800 279 | | 99 856 | | 665 104 |

_____   _____   _____   _____

12) Fill in the blanks (Continue the pattern).
8 452, 8 462, 8 472, 8 482, _____ , _____ ,
_____

13) **Estimate** the sum of the following.   Show your strategy.
1 395 + 5 722

14)   Add.   **15 341 + 13 201 =**

15) Add.

341 422
+ 298 381

16) Subtract.

867 386
- 13 270

17) Subtract.

234 634 − 48 581 =

18) Multiply.

5 X 4=

19) Multiply.

9 X 6=

20) Divide. $40 \div 8 =$	21) Divide. $42 \div 6 =$	22) Multiply. $3 \times 15 =$

23) Multiply.

$$4 \times 675 =$$

24) Multiply.

$$22 \times 33 =$$

25) Find the product.

$$45 \times 1000 =$$

26) Divide.

$$72 \div 6 =$$

27) Divide.

$$37 \div 3 =$$

28) Divide.

$$245 \div 5 =$$

Screener Student Copy F1

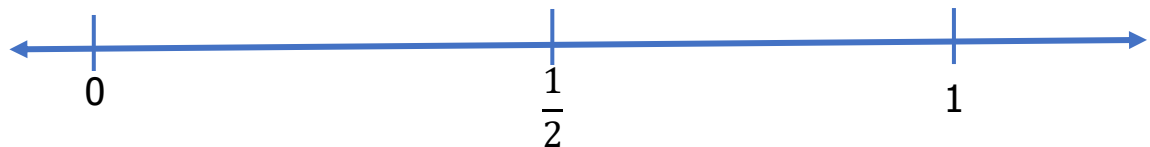| 29) Divide. Use any strategy you like. $$315 \div 4 =$$	30) Divide. Show your remainder. $$5\overline{)729}$$
31) **Estimate** the product. $$18 \times 72$$	32) **Estimate** the quotient. $$198 \div 4$$

33) Shade $\dfrac{4}{5}$. 	34) Draw a picture to show $\dfrac{3}{8}$

35) Place these three fractions approximately where they would go on the number line.

$$\frac{1}{3} \qquad \frac{3}{4} \qquad \frac{1}{10}$$

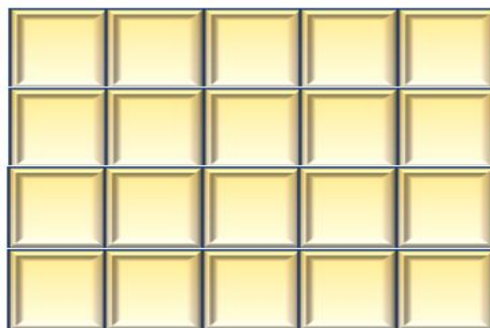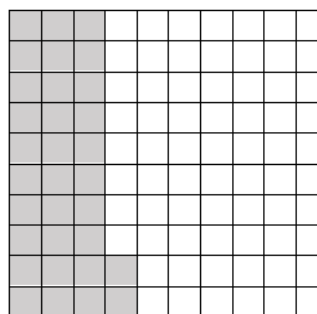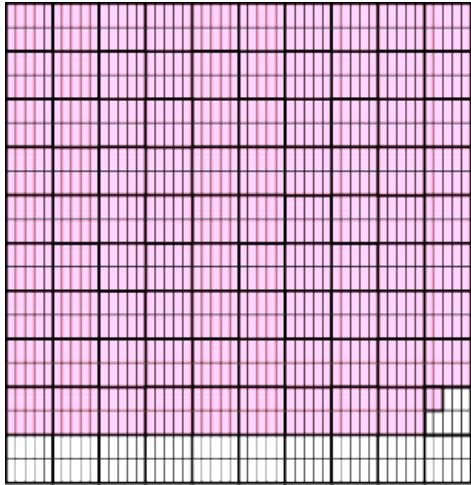| 36) Circle the larger fraction. $\dfrac{3}{4}$ $\dfrac{3}{6}$	37) Insert either **<** , **>**, or **=** between these two fractions. $\dfrac{2}{5}$ ☐ $\dfrac{5}{9}$
38) This is the sports equipment in a gym locker. What fraction of this set of items are ball gloves?	39) Split this chocolate bar into **fourths**.

40) This *hundredths grid* represents **one whole**.
Express the shaded part as a decimal.

41) This *thousandths grid* represents **one whole**. Express the shaded part as a decimal.
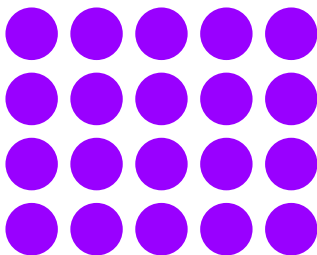
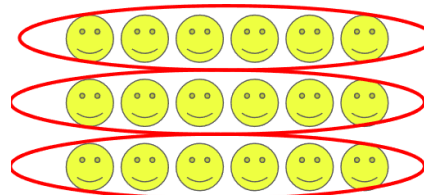42) Write $\dfrac{7}{10}$ as a decimal.

43) Add.

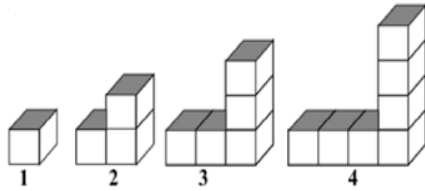$10.32
+$12.56

44) Add.

366.298 + 53.74 =

45) What multiplication sentence could represent this array?

46) What division sentence does this array represent?

47) Extend the chart for the block pattern.	Chart	

47) Extend the chart for the block pattern.

Chart

Level	Number of Blocks
1	1
2	3
3	5
4	
5	

48) Write an equation with a variable for:
5 groups of a number is 30.

49) Write an equation with a variable for **12 is 4 less than a number.**

50) Four friends each bought a package of game cards. All together they have 64 cards. **Write an equation using the variable x to represent how many cards are in each package.**

51)   Write an equation with a variable for **7 more than a number is 18.**
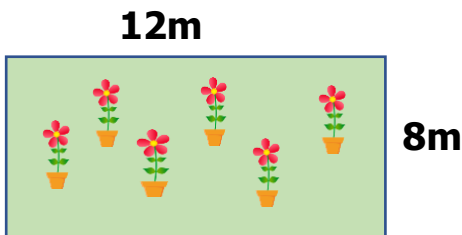
52) Solve for n
$$n + 6 = 14$$

53) Solve for x
$$4x = 24$$

8

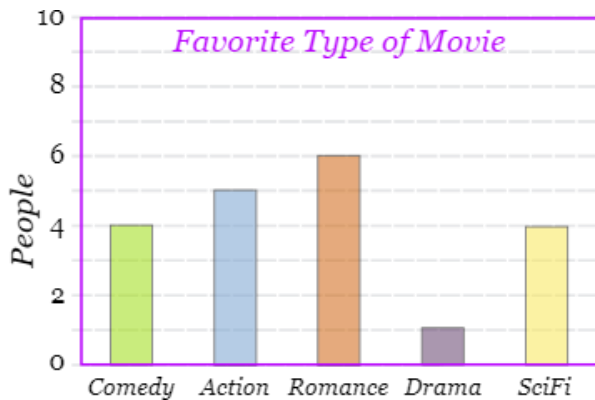| 54) The area of this rectangle is 24m², what could the length and width be?	55) What is the **area** of this rectangle?
	5cm **3cm**

56) Find the **perimeter** of the garden:

12m

8m

57) How many people chose comedy as their favorite type of movie?	58) How many people bought ice cream during the second week of August?
Favorite Type of Movie People Comedy Action Romance Drama SciFi	Ice cream sold in July and August Week 1 Week 2 Week 3 Week 4 July / August