 Name:_____

Find an equivalent fraction. The first two examples have been completed for you.

1. $\frac{2}{4}$ $\frac{2 \div 2}{4 \div 2} = \frac{1}{2}$	2. $\frac{6}{18}$ $\frac{6 \div 6}{18 \div 6} = \frac{1}{3}$	3. $\frac{4}{16}$
4. $\frac{5}{55}$	5. $\frac{8}{12}$	6. $\frac{9}{21}$
7. $\frac{11}{55}$	8. $\frac{6}{24}$	9. $\frac{9}{63}$
10. $\frac{9}{18}$	11. $\frac{3}{24}$	12. $\frac{19}{19}$

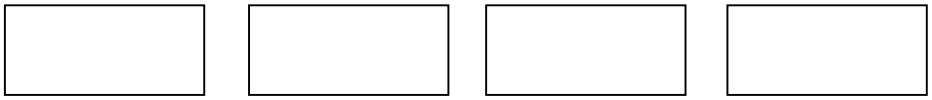
Convert the following decimals to fractions.

13. 0.5 ↓ Tenths place = $\frac{5}{10}$ which is equivalent to $\frac{1}{2}$	14. .80 ↓ Tenths place = $\frac{80}{100}$ which is equivalent to $\frac{8}{10}$ and $\frac{4}{5}$	15. .40
16. .20	17. 0.35	18. 0.1
19. .65	20. 0.3	21. .98
22. .45	23. .04	24. .525
25. .88	26. .325	27. .15

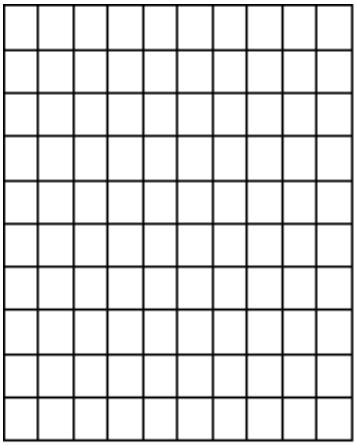
Operations with Fractions and Decimals: Simplify fractions when necessary.

28. 4.961 + 23.4556	29. 22 –9.56	30. 921.32 – 197.83
31. 12.946 + 8.675	32. 15.93 - .095	33. 3.547 + 9
34. $\frac{1}{3}+\frac{3}{4}$	35. $1\frac{2}{5}+6\frac{3}{4}$	36. $\frac{5}{6}-\frac{1}{5}$
37. $5\frac{3}{4}-2\frac{2}{5}$	38. $\frac{1}{6}\times\frac{3}{5}$	39. $\frac{5}{7}\times\frac{7}{9}$
40. $\frac{3}{9}\times 6$	41. $\frac{5}{9}\times\frac{9}{5}$	42. $\frac{2}{3}+\frac{4}{9}$

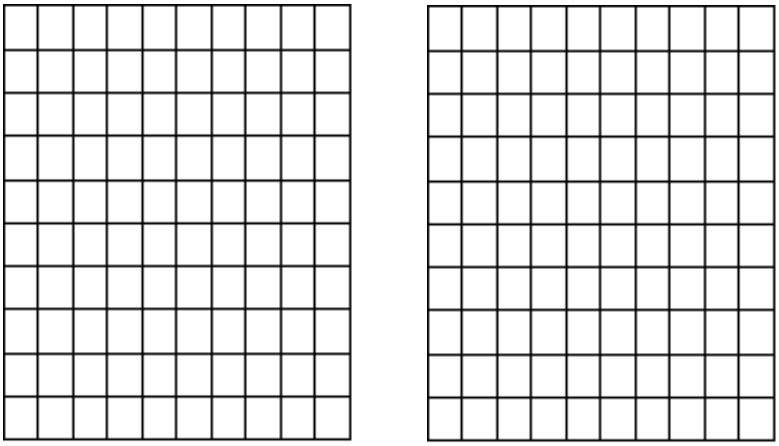
43. Shown below are some Hershey chocolate bars. Shade in $3\frac{3}{5}$ bars.



44. Shade in 0.62 of the grid below.



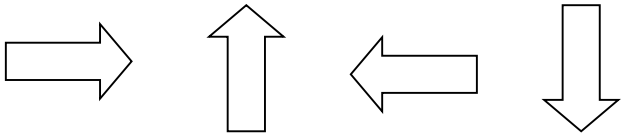
45. Show 1.18 in the grids below.



46. Fill in the blank to complete the patterns below.

3, 7, 11, 15, 19, _____

47. Draw in the next figure in the pattern.



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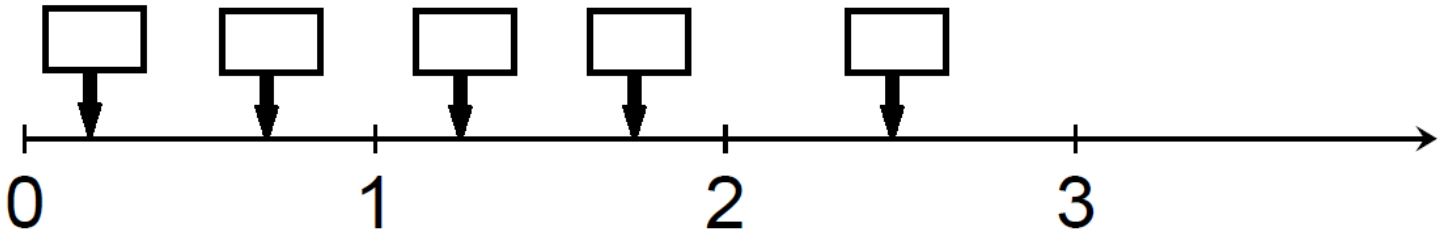
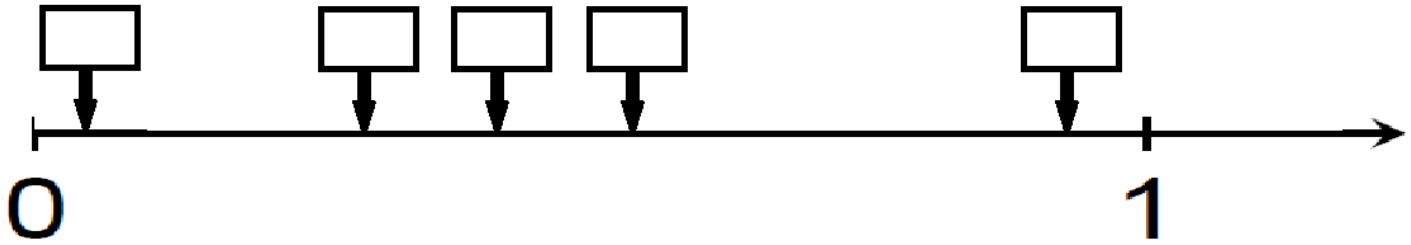
Place the following numbers on the number line.

48. $1\frac{3}{4}$, $\frac{2}{3}$, $1\frac{1}{4}$, 0.2 , 2.5



49. $\frac{2}{5}$, $\frac{9}{10}$, $\frac{1}{3}$, .50, .05



Graph and label the given points on the coordinate plane.

50. S (2, 5)

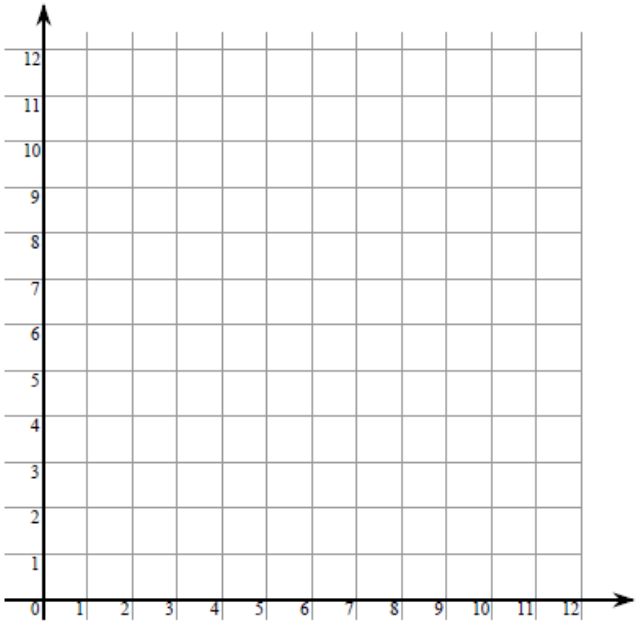
U (1, 9)

M (3, 3)

M (10, 5)

E (9, 10)

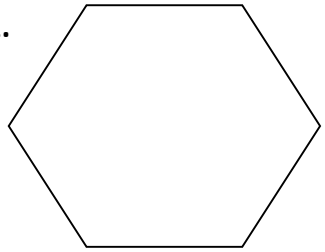
R (0, 6)



 Name:_____

Identify each of the following geometric figures by the most specific name possible. A word bank has been given at the bottom of this page. You will use each word exactly one time.

51.



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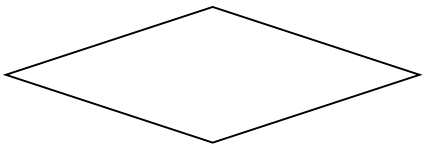
52.



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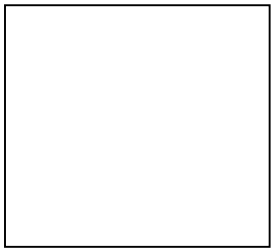
53.



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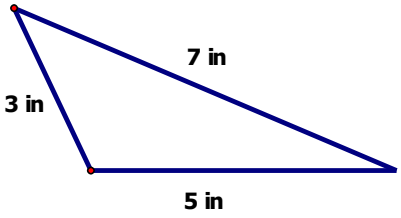
54.



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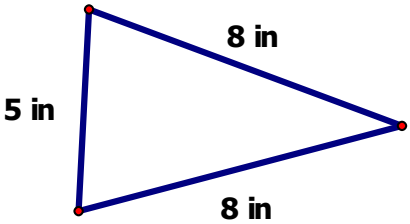
55.



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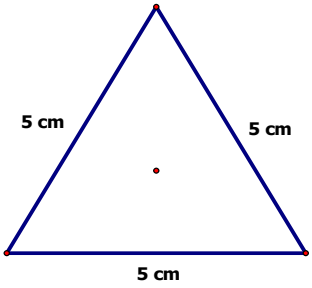
56.



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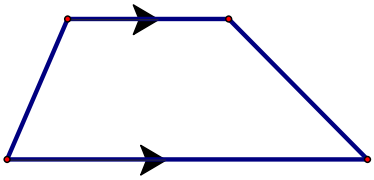
57.



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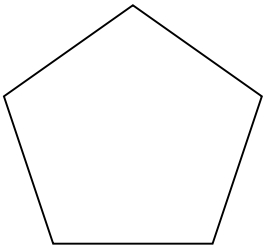
58.



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59.

_____

Isosceles Triangle	**Equilateral Triangle**	**Scalene Triangle**	**Square**

Pentagon Hexagon Rhombus Parallelogram Trapezoid

Complete the following application word problems. Show work to support your answers.

60. Joanne is making iced tea for a family picnic for 34 people. The chart below shows how much iced tea each person will probably drink:

Number in each subgroup	Amount each is expected to drink
10 men	$2\frac{1}{2}$ glasses
10 women	2 glasses
14 children	$1\frac{1}{2}$ glasses

How many glasses of iced tea should Joanne prepare for the 34 people?

If the iced tea costs $1.25 per glass to make, what will be the cost of the iced tea?

61. George is filling boxes with his baseball card collection. He has 572 cards and 11 boxes. How many cards can be put into each box if he wants them to all have an equal number of cards?

62. Lois has $\frac{1}{2}$ of a pie that she must divide equally with four friends. She cuts five pieces of pie from the $\frac{1}{2}$ pie. If all of the pieces are equal in size, what part of the total whole pie will each piece represent?

63. Clark School has to schedule 6 teams to eat lunch. The cafeteria holds 135 students. A lunch wave is 25 minutes long. Lunch can be served between 10:45 and 12:25. Teams can be split up into 2 different lunch waves as long as they are right next to each other. Make up a schedule to tell the times of the lunch waves and how many students from each team should attend each lunch wave. The teams and number of students on each team are shown below:

Cowboys **78 students**	**Patriots** **81 students**	**Titans** **53 students**
Giants **98 students**	**Jets** **54 students**	**Bears** **84 students**

64. The two-eyed space creatures, three-eyed space creatures and four-eyed space creatures are having a contest to see who can create groups of 24 total eyes.

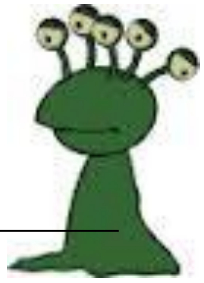
		

a. How many two-eyed space creatures are needed to create a group with 24 eyes?

b. How many three-eyed space creatures are needed to create a group with 24 eyes?

c. How many four-eyed space creatures are needed to create a group with 24 eyes?

d. Someone told the five-eyed space creatures that they shouldn't join the contest. Explain why someone would tell them not to join the contest.



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_____

_____

_____

Solve.

65. 425 x 9	66. 729 x 18	67. 599 x 29
68. 503 x 12	69. $3^2 + 5\,(4 - 2\,)$	70. $3 + 4 \div 2$
71. 3 x 7 – (2 + 5)	72. $20 - 16 \div 4$	73. $(90 - 48) \div 6 + 2$
74. $280 \div 7$	75. $532 \div 14$	76. $8303 \div 24$

Complete the multiplication table below. You should be able to complete this task in less than 5 minutes (without a calculator!)

You are expected to know these facts so practice, practice, practice!

X	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Congratulations!

You have completed your 6th grade summer math packet!