



Name (Class): _____

3rd Grade, Week 1

(Parents: Reading the problems to your child is ALWAYS okay. So is helping!)



- I.1.** Ann was asked to find the number of marbles that were added to the other marble groups to get the total. Can you find the number?



$$3 \text{ marbles} + \underline{\quad} \text{ marbles} + 2 \text{ marbles} = 13 \text{ marbles}$$

Answer: _____ marbles



- I.2.** Joe has 3 quarters, 1 dime and 2 nickels in his piggy bank. How much money does he have to spend in the candy store?



Answer: _____ cents



- I.3.** Tom is helping his sick neighbor by taking her dog for a walk every day, bringing her the mail, and doing off jobs for her. Mrs. Burns pays him \$7.50 a week for his help. How much will he earn in 4 weeks.

Answer: _____



- I.4.** Find the pattern in these numbers and then continue to the pattern by writing the next three numbers:

1 6 3 8 5 10 7 _____ _____ _____




Name (Class): _____



I.5. Robin gave her friend a puzzle like the one below. Solve the number puzzle yourself!

FIND  + 11 IF YOU KNOW
 THAT 8 +  = 12

Answer:  + 11 = _____



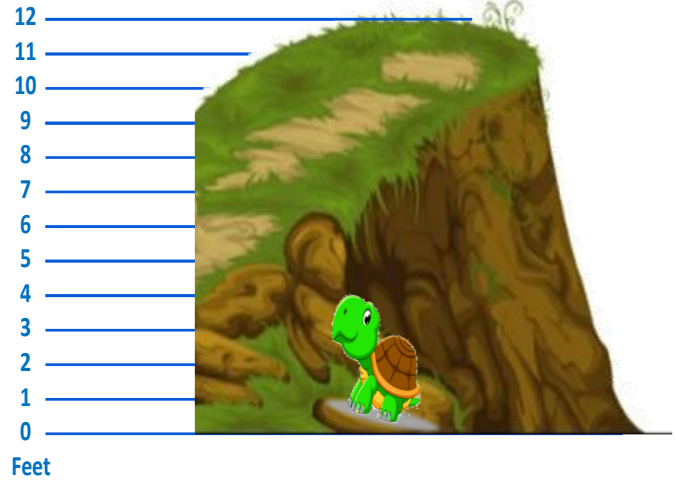
I.6. There was a line waiting for movie tickets. Sue realized that there were 6 people in front of her and 6 people behind her in the line. How many people were waiting in line for movie tickets?



Answer: _____ people.



I.7. A turtle crawls up a 12-foot hill after a heavy rainstorm. The turtle crawls 4 feet, but when it stops to rest, it slides back 1 ½ feet. How many tries does the turtle make before it makes it up the hill?



Answer: _____ tries.



I.8. Four classmates are to stand in order from tallest to shortest.

- Tom is Taller than Sally.
- Sally is taller than Bob.
- Maria is taller than Bob but shorter than Sally.

Using the clues, place the four friends in order from tallest to shortest.

Answer: Tallest _____ Shortest _____



Name (Class): _____

3rd Grade, Week II



II.1. Use the rule given. Write the missing numbers.

Rule: *If x is a number in column A, then $x - 7$ is beside it in column B.*

| A | B |
|----|---|
| 14 | |
| 7 | |
| 24 | |
| | 1 |



II.2. One way to add numbers mentally is to add the tens together first, followed by the ones. For example, to find $43 + 25$, you might do this:

$$40 + 20 = 60, \quad 60 + 5 = 65, \quad 65 + 3 = 68$$

Practice these problems using this way to add for the first two additions, then solve the last one showing your work.

$47 + 22 = \underline{\quad}$

$56 + 45 = \underline{\quad}$

$44 + 27 :$

$\underline{\hspace{2cm}} = \underline{\hspace{1cm}}$

$\underline{\hspace{2cm}} = \underline{\hspace{1cm}}$

$\underline{\hspace{2cm}} = \underline{\hspace{1cm}}$



II.3. Mrs. Buchanan's third grade class needs 150 paper napkins for a party. A small package of 50 napkins costs \$0.99. A large package of 150 napkins costs \$2.75. How much money would the class save by buying the large package of napkins?

Answer: _____



II.4. Georgia is making a patio in the shape of a rectangle. The width of the patio is 10 feet. The perimeter is 50 feet. What is the length of the patio?

Answer: _____ feet.





Name (Class): _____



II.5. At the baseball game, Brian saw a player hit a home run. About how far did the ball go? Circle the most reasonable answer:

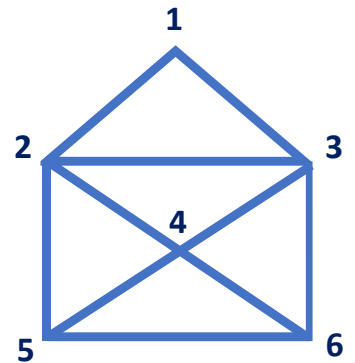
a. 8 feet

b. 300 feet

c. 2,500 feet



II.6. Trace each line of this shape without lifting the pencil. You can cross a point several times, but do not retrace a whole line.



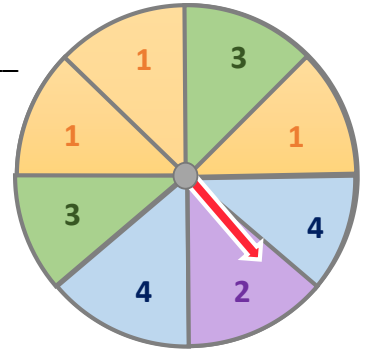
List your numbers in order that you traced the figure: _____



II.7. Look at the spinner.

a. Which are you more likely to spin, a 2 or a 3? _____

b. Which is more likely, a 1 or a 4? _____



II.8. It's back to school. On Monday, 2 students went to the store for school supplies. On Tuesday, 4 students went, and on Wednesday, 8 students. If the pattern continues, how many students will go to that store on Friday?



Answer: _____ students



Name (Class): _____

3rd Grade, Week III



III.1. Tom had 45 marbles. He gave some to Dan. He had 19 marbles left. How many marbles did he give to Dan?

Answer: _____ marbles.



III.2. Mr. Smith gets up at 6:15am. It takes him 30 minutes to get ready for school, 10 minutes to eat breakfast, and 5 minutes to walk to the bus stop. What time does he reach the bus stop?

Answer: _____ AM



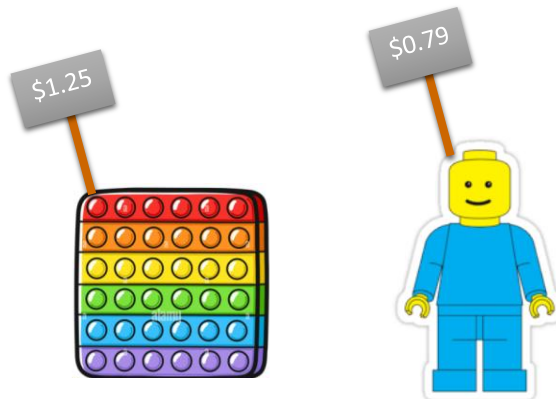
III.3. John is emptying tennis balls into a bin for a special sale to help his father. Each can holds 3 tennis balls. How many balls will be in the bin if he empties 7 cans?



Answer: _____ balls.



III.4. Drew has \$2.00 to spend. He wants to buy a small poppit and large Lego sticker. Use the posted prices below. Does Drew have enough money?



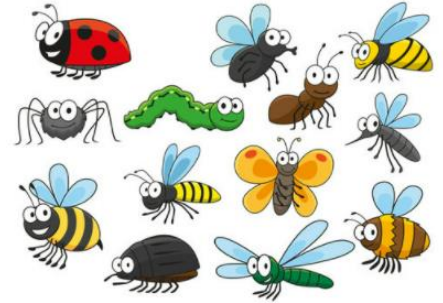
Answer: _____



Name (Class): _____



III.5. David has 1 bug in his insect collection on Monday, 3 bugs on Tuesday, 6 bugs on Wednesday, and 10 bugs on Thursday. If this pattern continues, how many bugs will he have in his collection on Saturday?



Answer: _____ bugs.



III.6. Five basketball teams are playing in a tournament. The teams will play each other only one time. How many games will be played by the end of the tournament?

Hint: Draw a picture or make a list of the teams playing

Answer: _____ games.



III.7. What is the least number of coins that can be used to give a customer 42¢ in change? What are the coins?



Answer: _____ coins.

List the coins: _____



III.8. Find the missing digits in the following problems. Place your answers in the boxes.

$$\begin{array}{r}
 \text{A} \\
 2 \square \\
 + \square 6 \\
 \hline
 69
 \end{array}$$

$$\begin{array}{r}
 \text{B} \\
 54 \\
 + 2\square \\
 \hline
 \square 1
 \end{array}$$

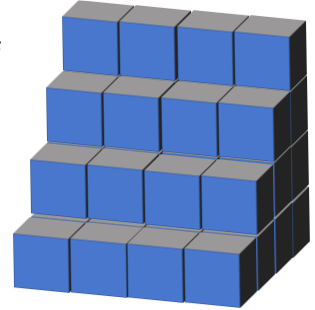
$$\begin{array}{r}
 \text{C} \\
 65 \\
 + \square 3 \\
 \hline
 13\square
 \end{array}$$



3rd Grade, Week IV



- IV.1.** How many small blocks does it take to build the set of steps on the right?



Answer: _____ blocks



- IV.2.** Write the correct number or symbol in each box.

$1 = 9 - \square$

$11 = 3 \square 8$

$4 = 4 \square 0$



- IV.3.** The students in Mrs. Jower's third grade class are taking turns going to the library. Five students went to the library first. When they returned, 10 students went. The third time, 15 students went to the library. If the pattern continues, how many students will to the library on the fifth trip?

Answer: _____ students.



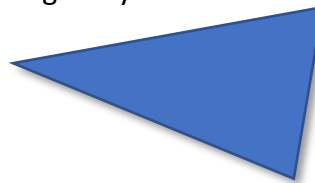
- IV.4.** Samantha earns \$2.50 each week for helping her father mow the grass. If she saves all her money, how much will she have in 6 weeks?



Answer: _____



- IV.5.** I am a triangle. My *perimeter* is 96 centimeters. Two sides are 34 centimeters and 25 centimeters long. How long is my third side?



Answer: _____ cm



Name (Class): _____



IV.6. Jack's dad didn't have enough candles for his cake, so he let the green candles stand for 2 years and the pink candles for 1 year. How old was Jack?



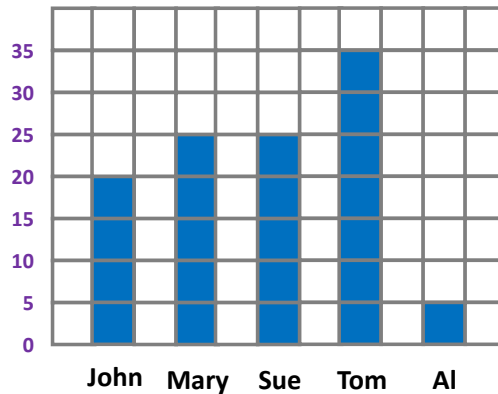
Answer: _____ years old.



IV.7. Look at the graph and answer the following questions:

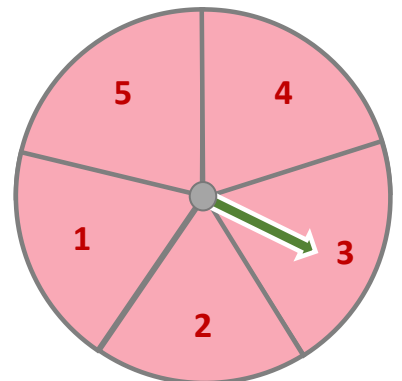
- a. Which children read at least 20 books? Answer: _____
- b. How many more books did John read than Al? Answer: _____
- c. Who read the same number of books? Answer: _____ and _____
- d. If Al read a total of 12 books for May and June, how many books did he read in June? Answer: _____

Books read in May



IV.8. Bill, Mark, Maria, Sue, and Julie played a game. Each boy took an *even*-numbered space on the spinner. Each girl took an *odd*-numbered space. Who was the more likely to win, a girl or a boy?

Answer: _____





Name (Class): _____

3rd Grade, Week V



V.1. Write the following in standard form without adding.

$$30 + 700 + 8 + 5,000$$

Answer: _____



V.2. There are 5 red, 3 green and 4 blue marbles in a bag. What would be the chance of getting a red marble if the marble was pulled out of the bag without looking?



Answer: _____



V.3. The 30 students in Mrs. Brown's third grade class are preparing for a Trivia Contest in the afternoon. Each team will have 4 members. How many teams can the students make if two classmates are absent?



Answer: _____ teams



V.4. Find the number of rectangles in this *visual challenge*.

Hint: there are more than 5....



Answer: _____ rectangles



Name (Class): _____



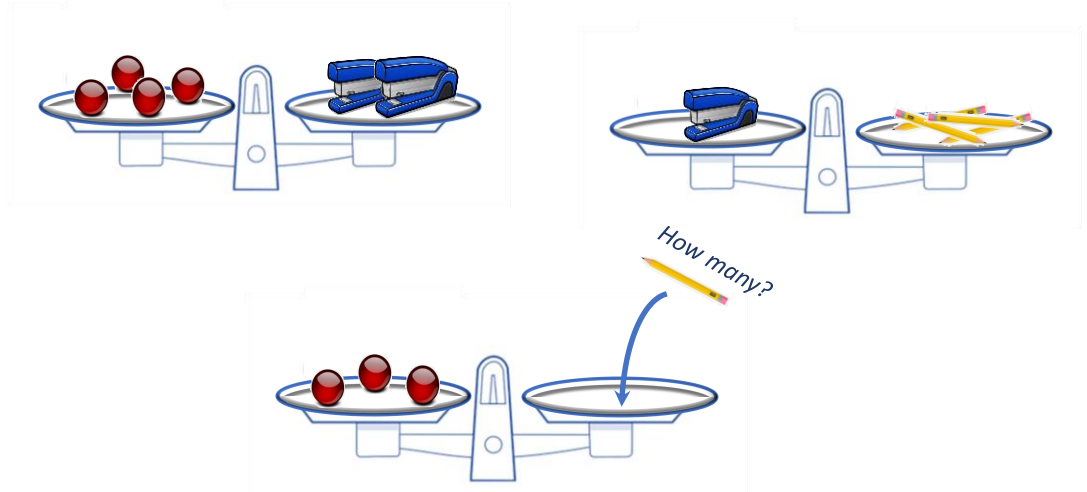
V.5. Laquinda has a number riddle for you to solve:

*I am a **two-digit number less than 40**. You say me when you count by **fives**. The sum of my digits is **7**. What number am I?*

Answer: _____



V.6. Look at the top two scales. Calculate how many pencils should balance the three marbles. Draw that number of pencils on the bottom scale.



V.7. Dan went to the bookstore. He has spent \$17.00 of his \$20.00 already. He needs to buy a few notebooks. How many can he buy with his remaining money if each notebook costs 90¢?

Answer: _____ notebooks.



V.8. Use the line to the right as 1 unit. Measure the length and width of this paper. Measure to the nearest whole number.

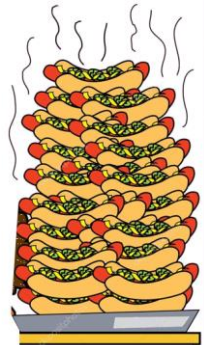


Answer: _____ units long and _____ units wide



Name (Class): _____

3rd Grade, Week VI



VI.1. How many 2-ounce hot dogs would make a pound?

Answer: _____ hot dogs



VI.2. Write a number sentence using all the given numbers and symbols below:

6, 9, 7, 5, 3, =, +, +, -

Answer: _____



VI.3. Without adding, write the following in “standard form”

70 + 400 + 2 + 3,000 + 80,000 = Answer: _____



VI.4. The lunchroom workers are giving away free cookies today! They gave the first graders 4 cookies, the second graders 8 cookies, the third graders 12 cookies, and the fourth graders 16 cookies. If the pattern continues, how many cookies will be seventh graders receive?



Answer: _____ cookies



VI.5. The students rode a school bus on their field trip. About how many students could ride in 1 bus? Circle your best estimate.



400 students

40 students

4 students



Name (Class): _____



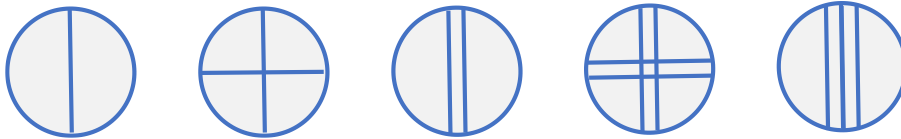
VI.6. Tyler, Dylan and Logan are redoing their house, with a backyard in the shape of a pentagon. The perimeter is 134 meters. Four of the sides measure 20, 21, 32 and 35 meters. What is the length of the fifth side?



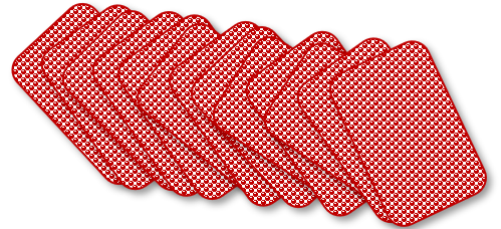
Answer: _____ meters



VI.7. Draw the next figure in the pattern:



VI.8. Darrell has a set of animal cards in a covered box. There are 2 giraffes, 5 lions, 2 monkeys, and 4 llamas. Which is more likely that Darrell will pick out of the box without looking, a giraffe card or a llama card?



Answer: _____ card



VI.9. A magician weighed his twin rabbits and identical hats together and got 18 pounds. He then weighed one hat and got 3 pounds. What was the weight of one rabbit?

Answer: _____ pounds





3rd Grade, Week VII



VII.1. Find the mystery number (?) using the relationship shown:

$28 : 7$ $20 : 5$ $16 : 4$ $12 : ?$

Answer: _____



VII.2. John is helping his father box up used golf balls for a special sale. Each box will hold 6 golf balls. How many boxes will they need to box up 52 golf balls?



Answer: _____ boxes



VII.3. Solve the following magic squares. The sum across each row, and down each column, must be the same sum as the sum along the diagonal. Place the numbers in the empty boxes.

| | | |
|---|---|---|
| | 1 | 8 |
| | 5 | 3 |
| 2 | | |

| | | |
|----|----|----|
| 12 | | 14 |
| | 11 | |
| | 15 | 10 |



VII.4. Ricardo is 4 years older than his sister Rosa. If their ages are added together, the sum is 14. What are the ages of Ricardo and Rosa?

Answer: Ricardo is _____ years old.

Rosa is _____ years old.



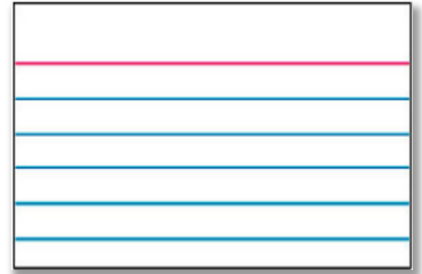


Name (Class): _____

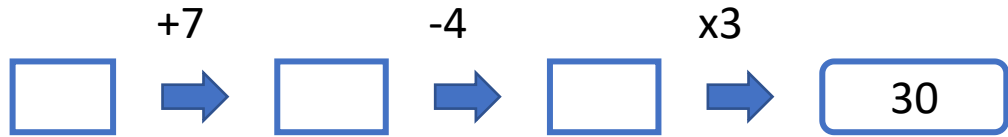


VII.5. An index card is shown to the right. How many rectangles are formed on this card?

Answer: _____ rectangles



VII.6. What is the starting number in this puzzle?



Answer: _____



VII.7. How many 3-digit numbers can be made using the following digits only once in each numbers?

2, 3, 4

Answer: _____ numbers can be made



VII.8. Pam is using beads to make a necklace. The bowl contains 40 yellow beads, 20 blue beads, and 40 red beads. If she uses half of each color that is in the bowl, how many beads of each type will she use?



Answer: She will use _____ yellow, _____ blue, and _____ red beads.



Name (Class): _____

3rd Grade, Week VIII



VIII.1. Notice how the two shapes are alike:



Which pair of shapes are alike in the same way? Circle your answer:

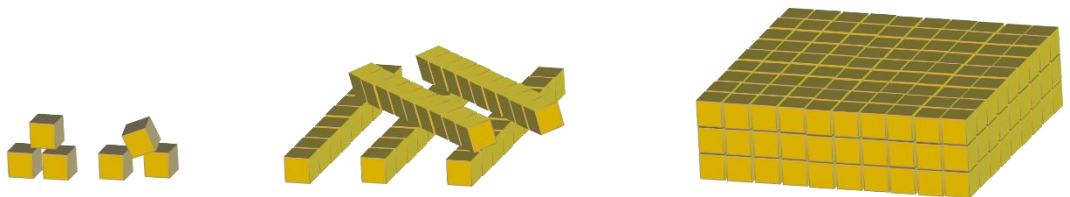


VIII.2. Ashley has a set of color tiles in a bag. There are 2 green, 5 red, 2 yellow, and 4 blue. Without looking, is Ashley more likely to pick a green tile or a yellow tile?

Answer: _____



VIII.3. How many small cubes are there in the entire collection below?



Answer: _____ cubes



VIII.4. There are 6 bookshelves in the classroom. Each bookshelf has room for 20 books. If Mrs. Hogan has 130 books, how many books will not be able to fit on the shelves?

Answer: _____ books





Name (Class): _____



VIII.5. Three rose and two holly bushes are planted at the first stop of the nature trail. Then three rose and two holly bushes are planted at the second stop. Rose and holly bushes are planted in the same way until 20 bushes are planted. How many rose and how many holly bushes are planted?



Answer: _____ rose bushes and _____ holly bushes



VIII.6. Abraham had three stacks of baseball cards. One stack had 25 cards in it, the next stack had 20 cards in it, and the third stack had 30 cards. How many cards would be in each stack if Abraham made them all the same height?



Answer: _____ cards



VIII.7. Solve the magic square. The sum across each row, and down each column, must be the same as the sum along each diagonal.

| | | |
|---|---|---|
| 5 | | |
| | 6 | 2 |
| 3 | | 7 |



VIII.8. A can of soup weighs 251 grams. How many cans would weigh about 1 kilogram?



Answer: _____ cans



3rd Grade, Week IX



IX.1. Ann is thinking of a number. She gives Tina this clue:

*IF YOU MULTIPLY MY NUMBER BY 4,
AND THEN SUBTRACT 3,
THE ANSWER IS 17.*

What is Ann's number? _____



IX.2. Use the symbols = (equal to), < (less than), and > (greater than) to compare the problems below. Work each side before deciding which sign to use. Put your answers in the boxes.

$23 + 42$ $76 - 15$

5×4 3×6

$27 - 13$ $18 + 5$

$72 \div 9$ $48 \div 6$



IX.3. Eighty-four students went on a field trip. The school had one bus that held 68 students. The rest of the students had to travel by car. If 4 students could ride in each car, how many cars were needed?



Answer: _____ cars



Name (Class): _____

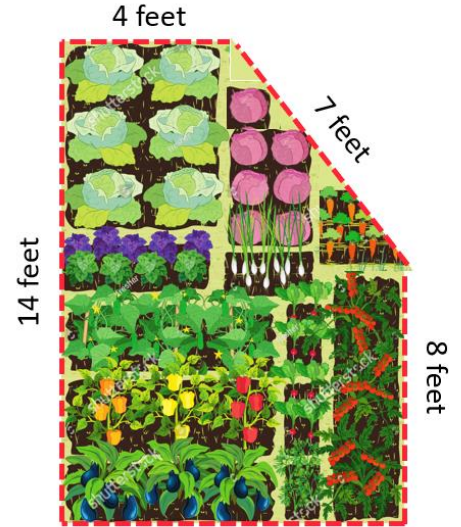


IX.4. Gina is having a birthday party at home. Each time the doorbell rings, two of her friends arrive. If the doorbell rings 4 times, how many people are at the party?

Answer: _____ people



IX.5. Joe's grandmother is planting a vegetable garden. She needs a fence to keep animals out. She has to know the *perimeter* of her garden to buy the right amount of fencing. How much fence does she need?



IX.6. Study the following puzzle.



=



How many airplanes is a scissor worth?



=



Answer: _____ airplanes



IX.7. Finn bought a collar and a treat for his dog Fiona, for \$28.00. The collar cost \$19.00. What was the cost of the treat?

Answer: _____



IX.8. Tom, Bill, and Joe picked apples from the tree in their grandfather's yard. Tom picked 12 more apples than Joe. Joe picked 8 less apples than Bill. Bill picked 23 apples. How many apples did they pick together?

Answer: _____ apples



3rd Grade, Week X



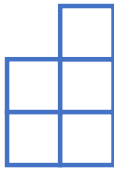
X.1. Shana has a set of blocks in a bag. There are 2 squares, 5 circles, 2 triangles, and 4 rectangles. What fraction of the blocks are square? Circles?

Answer: _____ of the blocks are squares

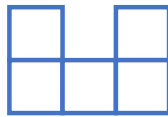
Answer: _____ of the blocks are circles



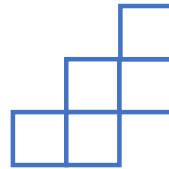
X.2. Which figure will fold into an open box? Circle it.



a



b



c



d



X.3. Which digits below are made up of only line segments? Circle them.

2 4 3 5 7



X.4. Rebecca bought a pack of 12 pencils. About how much did she spend? Circle your answer.

a. \$4.50

b. \$15.75

c. \$0.10



X.5. Amanda eats supper from 6:30 to 7:00. Then she watches a half-hour television show. She takes 5 minutes to brush her teeth, 15 minutes to take a bath, and 5 minutes to dress for bed. How much time is left for Amanda to read if she goes to sleep at 8:30?

Answer: _____

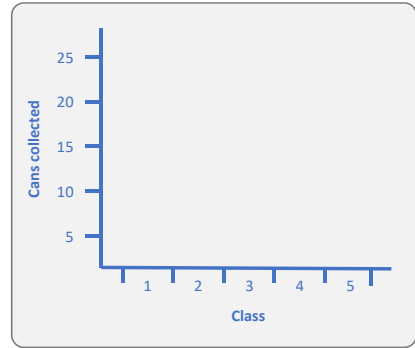


Name (Class): _____



X.6. Five third-grade classes collected cans. The table below gives you the data. Complete the bar graph to show the data.

| Class | Cans |
|-------|------|
| 1 | 15 |
| 2 | 25 |
| 3 | 25 |
| 4 | 20 |
| 5 | 20 |



X.7. The classes above put all their cans together. Then they divided them equally among the five classes. How many cans did each class end up with?

Answer: _____



X.8. Watch how the leprechaun multiplies without writing:
Show how you would multiply 3 and 24 in the box below.

For 2×35 , first I do $2 \times 30 = 60$.
Then I do $2 \times 5 = 10$. Last, I add 10 to 60 to get 70.
So, $2 \times 35 = 70$



X.9. Bart and Luwan prepared the tables for Art. They put 2 pieces of poster board and 6 markers on each table. Altogether, there are 24 markers on the tables. How many pieces of poster board are on the tables?

Answer: _____ pieces