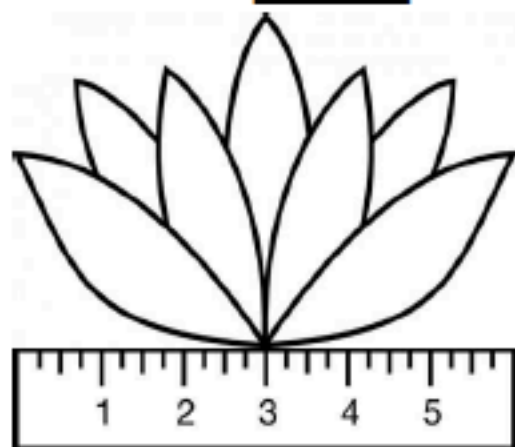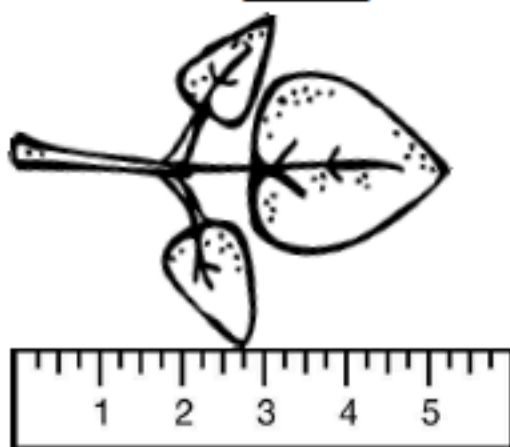Name: _____

I Can Measure to the Nearest Inch

Professor Sprout has asked Harry to help her measure various plants for his Herbology homework. Can you help him? Use the ruler in each problem to determine how many inches the object measures.
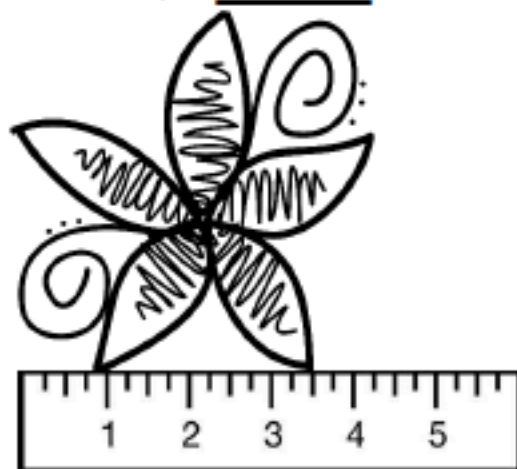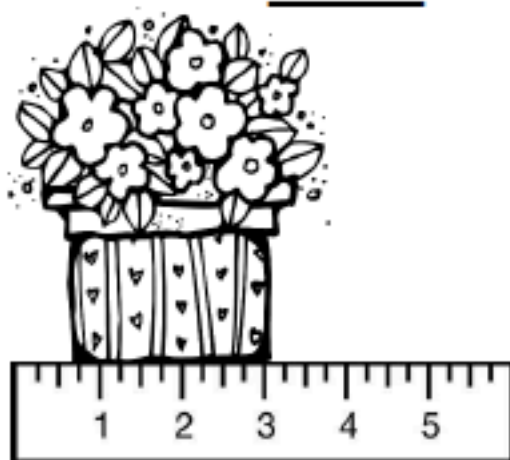
1. Mandrake = _____ inches


```
1   2   3   4   5
```

4. Dittany = _____ inches


```
1   2   3   4   5
```

3. Holly = _____ inches


```
1   2   3   4   5
```

2. Devil's Snare = _____ inches


```
1   2   3   4   5
```

3.MD.B.4

Name: _____

Player	Points
Oliver Wood	15
Fred Weasley	5
George Weasley	0
Alicia Spinnet	15
Katie Bell	20
Angelina Johnson	25

I Can Create a Graph

Draw a bar graph below to show the data listed in the chart about Gryffindor points in Harry's first Quidditch game.

My Quidditch Graph

Name: _____

I Can Create Fractions

1. The Gryffindor Chaser, Katie Bell, tried six times to get the Quaffle through the hoop and only succeeded once. What fraction shows how many times she MISSED the hoop?

----

2. Harry flew high through the air, hoping to see the golden snitch during his first game of Quidditch. The game lasted 60 minutes, and he saw the snitch and chased it for the last five minutes. Write a fraction to show the amount of time Harry spent looking for the snitch. _____

3. Harry got mail for the first time on the 91st day of school. Write a fraction to show how many days Harry did not get mail from his owl.

----

4. There were sausages on the table in the Great Hall before the first Quidditch game. Hermione ate two. Ron ate three. Harry said he wasn't hungry, but Seamus ate the rest – 10 sausages. Write a fraction to show how many sausages Ron ate. _____

5. In the game of Quidditch, there are three Chasers, one Keeper, two Beaters, and one Seeker. Write a fraction to show Harry's part in the game. Hint: Harry is a Seeker.

----

6. In a game of Quidditch, there are 14 people on the field playing and one referee. Remember that there are two teams playing and two beaters on each team. Write a fraction to show how many beaters there are compared to the number of people on the field. _____

Bonus: Harry tried to go to bed at 7:00 the night before his first big Quidditch game. He couldn't sleep until 4:00 in the morning. He woke up at 6:00 in the morning for class. Write a fraction to show how many hours of sleep Harry got compared to how many hours he tried to sleep.

Name: _____

I Can Solve Time Word Problems

1. Harry looked at his watch. He was waiting until 11:00 to go find the Mirror of Erised. This way, he could make sure Ron was really asleep. How much time does he have to wait?

_____

2. Hedwig picked up Harry's Christmas present from the Weasley family at 9:00 at night. She flew all night and dropped it off at the castle first thing in the morning. Harry woke up and looked at his watch. How many hours/minutes passed between the time Hedwig left the Weasley house and the time Harry awoke? _____

3. Filch and his cat begin roaming the castle looking for students who are out of their beds at 11:30. He goes to bed at 2:45. How much time does he have left to look for students out of bed? _____

4. The first night Harry found the mirror, he sat in front of it for a long time. He wasn't paying attention to how long he was there, but he knew it had been awhile. Harry looked down at his watch as he was leaving the room with the mirror. He remembered that when he came in, the small hand was between the 11 and the 12 and the long hand was at the 6. This clock shows the time as he was leaving. How long was Harry in the room with the mirror?

_____

Name: _____

I Can Create Arrays

Draw an array to show your work for each problem below. Then answer the question in the blank.

Example: Harry is giving five presents to each of his friends for Christmas. There are 3 girls and 2 boys. How many presents is he giving all together? <u>25 presents</u>

Equation: $5(3+2)$

Arrays:

1. Hermione bought 2 bags of candy for each of her friends. There were 2 girls and 2 boys. How many bags of candy did she buy all together?

_____

Equation:

Arrays:

2. The house elves prepared two pies for each student that would be at Hogwarts on Christmas. There were 4 girls and 5 boys. How many pies did the house elves make all together?

_____

Equation:

Arrays:

3.MD.C.7c

3. Harry and the Weasleys spent Christmas afternoon having a snowball fight. Harry threw 2 at a time. During the first round, he threw 10 times. The second round, he threw 4 times. How many did he throw all together?

_____

Equation:

Arrays:

4. Harry and his friends found wizard crackers at their Christmas dinner full of gifts. Each cracker had 2 gifts inside. Ron and Harry each opened 3 crackers. Percy and Fred each opened 5 crackers. How many gifts were there all together? _____

Equation:

Arrays:

5. Harry and his friends visited the library to look for information about Nicholas Flamel. In each book they read, they looked in 2 places for Flamel's name – the index and the table of contents. Harry and Ron each checked 13 books, and Fred and George each checked 4 books. How many places did they check all together?

_____

Equation:

Arrays: