A dark blue watercolor splash or ink blot is centered on a white background. The splash has irregular, feathered edges and contains several smaller, lighter blue spots and streaks. The text is centered within the dark blue area.

Required Assignment,
Week 2, SAGE Math,
Grade 5

Week 4/27- 5/1



Warm Up: Esti- Mysteries

- Try and estimate the total number of rocks.
- Use the clues to help you make an educated guess.
- Once you make a guess- write down your answer and how you came up with it.

- It's okay if your estimate is not right (full disclosure- mine wasn't). It should just make sense with the clues given.
- Enjoy!



How many rocks are in the vase?

As the clues appear, use the information to narrow the possibilities to a smaller set. After each clue, use estimation again to determine which of the remaining answers is the most reasonable.



Clue #1

You will need a hundreds chart. Cross off the numbers that are eliminated by the clues.

Clue #2

The answer is a multiple of 3.

Clue #3

The answer is not a multiple of 4.

Clue #4

Find the number 42 on your chart. Notice how it is the center of a diagonal group of 3 numbers where the boxes are touching at the corners. Look at the digits in those three numbers. None of those digits is in the answer.

Clue #5

The answer is a multiple of 11.



After seeing the clues, you have narrowed the possibilities to a small set of numbers. Before you see the answer, select your final estimate. Write it down, and explain to someone why you chose that number.

Hundreds Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Main Math Exploration






































Shape Times Shape














The coloured shapes stand for eleven of the numbers from 0 to 12.

Each shape is a different number.

Can you work out what they are?

 x  x  = 	 x  = 
 x  = 	 x  = 
 x  = 	 x  = 
 x  = 	 x  = 
 x  = 	 x  = 
 x  = 	 x  = 



- 1.  =
- 2.  =
- 3.  =
- 4.  =
- 5.  =
- 6.  =
- 7.  =
- 8.  =
- 9.  =
- 10.  =
- 11.  =