October 2 Math Quiz Name: Grade:

1. Use Prime factorization to find the greatest common factor of:

    a. 90 & 150

    b. 144 & 216

2. Why will the GCF of a number almost always be a composite number?

3. Simplify and solve: $18\,480 \div 120$

4. Find the square root of 1849, 3364 and 6889

5. Use the 100's chart on the next page and the divisibility rules to identify all prime numbers between 1 and 100. Explain your thinking.

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