

Queenstown Primary School
Numeracy Knowledge
Advanced Proportional
(Stage 8)

Squares and Conversions		Round to the nearest ...		Highest Common Factor (HCF) or Lowest Common Multiple (LCM)	
1	$62.5\% = \underline{\hspace{1cm}}$ (fraction)	21	$72.45(10\text{th}) = \underline{\hspace{1cm}}$	41	HCF of 36 & 48 = $\underline{\hspace{1cm}}$
2	$\frac{2}{3} = \underline{\hspace{1cm}}\%$	22	$32.548(100\text{th}) = \underline{\hspace{1cm}}$	42	HCF of 72 & 36 = $\underline{\hspace{1cm}}$
3	$\sqrt{81} = \underline{\hspace{1cm}}$	23	$9.641(10\text{th}) = \underline{\hspace{1cm}}$	43	LCM of 6 & 8 = $\underline{\hspace{1cm}}$
4	$6^2 = \underline{\hspace{1cm}}$	24	$78.139(100\text{th}) = \underline{\hspace{1cm}}$	44	LCM of 9 & 12 = $\underline{\hspace{1cm}}$
5	$\sqrt{49} = \underline{\hspace{1cm}}$	25	$5.128(10\text{th}) = \underline{\hspace{1cm}}$	45	HCF of 64 & 48 = $\underline{\hspace{1cm}}$
6	$0.75 = \underline{\hspace{1cm}}$ (fraction)	26	$84.617(100\text{th}) = \underline{\hspace{1cm}}$	46	HCF of 45 & 36 = $\underline{\hspace{1cm}}$
7	$\sqrt{64} = \underline{\hspace{1cm}}$	27	$42.197(100\text{th}) = \underline{\hspace{1cm}}$	47	LCM of 4 & 6 = $\underline{\hspace{1cm}}$
8	$\frac{5}{10} = \underline{\hspace{1cm}}\%$	28	$23.234(10\text{th}) = \underline{\hspace{1cm}}$	48	LCM of 7 & 3 = $\underline{\hspace{1cm}}$
9	$\frac{2}{5} = \underline{\hspace{1cm}}\%$	29	$9.458(100\text{th}) = \underline{\hspace{1cm}}$	49	HCF of 36 & 54 = $\underline{\hspace{1cm}}$
10	$12^2 = \underline{\hspace{1cm}}$	30	$19.996(10\text{th}) = \underline{\hspace{1cm}}$	50	LCM of 5 & 4 = $\underline{\hspace{1cm}}$
Multiplying and Dividing Decimals		List the Factors of or first 3 Multiples of ...		Order smallest to largest/use symbols	
11	$32.54 \div 100 = \underline{\hspace{1cm}}$	31	$40 = \underline{\hspace{1cm}}$ (F)	51	$98\%, \frac{19}{20}, 0.97 = \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$
12	$9.875 \times 100 = \underline{\hspace{1cm}}$	32	$8 = \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$ (M)	52	$\frac{6}{10}, \frac{7}{12}, 55\% = \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$
13	$6.549 \times 100 = \underline{\hspace{1cm}}$	33	$12 = \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$ (M)	53	$1.02, 103\%, \frac{11}{10} = \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$
14	$7.564 \div 100 = \underline{\hspace{1cm}}$	34	$36 = \underline{\hspace{1cm}}$ (F)	54	$\frac{8}{20} \underline{\hspace{1cm}} 0.40 (<, >, =)$
15	$846 \div 100 = \underline{\hspace{1cm}}$	35	$9 = \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$ (M)	55	$20\%, \frac{6}{20}, 0.21 = \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$
16	$1.267 \times 100 = \underline{\hspace{1cm}}$	36	$11 = \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$ (M)	56	$80\%, \frac{7}{12}, 0.79 = \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$
17	$4.894 \times 100 = \underline{\hspace{1cm}}$	37	$60 = \underline{\hspace{1cm}}$ (F)	57	$\frac{5}{8} \underline{\hspace{1cm}} \frac{6}{10} (<, >, =)$
18	$98.672 \div 100 = \underline{\hspace{1cm}}$	38	$7 = \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$ (M)	58	$\frac{3}{5} \underline{\hspace{1cm}} 0.6 (<, >, =)$
19	$852 \div 1000 = \underline{\hspace{1cm}}$	39	$4 = \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$ (M)	59	$\frac{8}{5}, 158\%, \frac{12}{8} = \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$
20	$1.25 \div 10 = \underline{\hspace{1cm}}$	40	$28 = \underline{\hspace{1cm}}$ (F)	60	$0.67, 61\%, \frac{26}{40} = \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

Scoring

To achieve the following awards you must answer 9 out of 10 questions in each section correctly in the time given below.

5 minutes = Achievement Award	4.5 minutes = Semi-Pro Award	4 minutes = Pro Award
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My goal for next week is: _____

To achieve this I need to: _____