The Redeemer C. of E. Primary School			
Year 6 Mathematics Core Knowledge OrganiserImage: Core Knowledge OrganiserPlace ValueDecimalsVocabulary			
ten hundred millions thousands	decimal point thousandths hundredths tenths tenths 42.1438	Term factor common factor prime number composite	Definitiona number that divides exactly into another numberfactors of two numbers that are the samea number with only 2 factors: 1 and itselfa number with more than
Measure Conversions1 centimetre10mm1 metre100cm1 kilometre1,000 m1 mile1.6 km1 kilometre0.625 (5/8) mile1 kilogram1,000 grams1 litre1,000 millilitres	Brackets 10 × (4 + 2) = 10 × 6 = 60 Indices 5 + 2 ² = 5 + 4 = 9 Division 10 + 6 ÷ 2 = 10 + 3 = 13 Multiplication 10 - 4 × 2 = 10 - 8 = 2 Addition 10 × 4 + 7 = 40 + 7 = 47 Subtraction 10 ÷ 2 - 3 = 5 - 3 = 2	number prime factor multiple common multiple square numbers cube numbers	two factorsa factor that is primea number in anothernumber's times tablemultiples of two numbersthat are the samethe result when a numberhas been multiplied by itselfthe result when a number hasbeen multiplied by itself 3 times
O 1 2 3 4 5 10 10 10 10 10 10 0% 10% 20% 30% 40% 50% 0 0.1 0.2 0.3 0.4 0.5 0 4 4 4 4 0% 25% 50% 4 0 0.25 0.5 0.5	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	5 5% ÷ 2 10% ÷ 1 20% ÷ 5 5 25% ÷ 4 50% ÷ 2 5 75% ÷ 4 100% ÷ 1	LO 5 V 500 D 5 10 X 1000 M 4 50 L 4, x3
<u>т</u>	Image: scalar system Long Multiplica Image: scalar system Image: scalar system Image: scalar syst	(4357 x 6) (4357 x 30)	short divisionshort division052r3decimal 52.2512627fraction $52\frac{3}{12}/52\frac{1}{4}$ tiply and Divide
Iong division 1 2 6 2 r^3 - 6 0 0 1 12 x 50) - 2 7 (12 x 50) (12 x 2) - 2 4 (12 x 2) (12 x 2)	Round to the nearest whole number 1.673 \downarrow 1 2	M HTM TM Th I I I I I I I I I I I I I I I I I I I I	ID, 100 and 1000 H T O t h th I 2 4 5 I 2 4 5 I I

