Maths Rocket Card - Year 5

LIFT OFF!

Step 9
a) Add and subtract mixed numbers *(e.g. 4½ - 2 ¼)*
b) Round decimals to the nearest whole number and to 1 decimal place (*e.g. 3.32 to nearest whole or 1.231 to the nearest tenth)*
c) Write percentages as a fraction with denominator of 100 and as a decimal *(45%=45/100=0.45)*

Step 8
a) Order fractions where the denominators are multiples of the same number *(e.g. order 2/5, 1/10, 3/10 and 1/20 from smallest to largest)*
b) Add and subtract fractions with the same denominator *(e.g. 2/4 + 3/4)*
c) Add and subtract fractions where the denominators are multiples of the same number *(e.g. 1/3 + 3/6)*

Step 7
a) Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000 *(e.g. 32 ÷ 10 = 3.2)*
b) Mentally recall equivalents of a given fraction *(e.g. 1/3 = 2/6, 3/9, 4/ 12 10/30)*
c) Covert between decimals and fractions using ½, 1/4 ,1/5 1/10s and 1/100ths *(e.g. ¼ = 0.25 or 2/5 = 0.4)*

Step 6
a) Establish whether a number up to 100 is prime and recall prime numbers up to 19
b) Calculate/recall square numbers within times tables and multiples of *10 (e.g. 6^2 = 6 x 6 = 36 or 20^2 = 20 x 20 = 400)*
c) Calculate/recall cubed numbers *(e.g. 2, 3, 10)* mentally *(e.g. 3^3 = 3 x 3 x 3 = 27)*

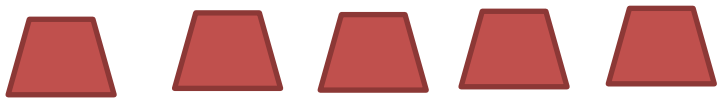
Step 5
a) Add and subtract 2-digit numbers mentally.
b) Count forwards and backwards in multiples of 25, including not starting at zero (*i.e. 200, 225, 250…)*
c) Find factor pairs of given numbers *(e.g. 32 = 32 & 1, 16 & 2, 8 & 4)*

Step 4
a) Count forwards/backwards in steps of 100/1000/10,000 from given numbers *(e.g. count in thousands from 7,891)*
b) Count backwards and forwards using negative numbers and solve addition and subtraction questions between -10 and 10 *(e.g. what is 5 subtract 9?)*
c) Recall all division and multiplication facts (mixed together) for all times tables to 12 x 12

Step 3
a) Multiply and divide numbers by 10 and 100 keeping to whole numbers
b) Round numbers to the nearest 10/100/1000/10,000/100,000 (up 1 million)
c) Recall all division facts for all times tables up to 12 x 12

Step 2
a) Use known numbers facts to solve addition and subtractions scaled by 100 *(e.g. 3 + 8 = 11 so 300 + 800 = 1100)*
b) Use know number facts to solve multiplication and division scaled by 100 *(e.g. 12 ÷ 4 = 3, 1200 ÷ 4 = 300*)
c) Recall all multiplication facts for all times tables up to 12 x 12

Step 1
a) Recall multiplication and division facts for 3,4 and 8 times tables
b) Recall multiplication and division facts for 6, 7 and 8 times tables
c) Recall multiplication facts from 9, 11 and 12 timetables



Welcome to our new look rocket cards!

- The new objectives are based on the expectactions of the number facts children should know by the end of the year
- Please work with your children on each step in order, beginning with 1a. Some steps will need more time than others
- The children will be working on these in class as well
- The homework on will be based on the step being taught in class and will be based on Google Classroom each Friday
- On Fridays, there will be an informal quiz to guage the children's knoweldge