Mix Essential skills – non calculator #1

Expand $6(3x+4)$	Decrease 520 by 32%	Factorise $8a-6$	Prime numbers between 50 and 60	Solve, $5a+3=4a+11$	Find 22.5% of 240	Expand and simplify: $3(2a+4)-4(2a-5)$	LCM of 25 and 75
Write as improper fraction $4\frac{2}{3}$	Work out 4.4×0.34	Calculate $4\frac{1}{5}+2\frac{1}{3}$	Write 24 as a percentage of 40	Expand $4(5-3y)$	$\frac{3}{25}$ as a percentage	Solve, $5(3x+2)=18$	0.045 as a percentage
Make a the subject $5a+b=c$	Write 45 as a percentage of 75	Square numbers which is also a cube number	Evaluate $4.8\div0.6$	HCF of 45 and 60	Calculate $2\frac{4}{5}-1\frac{2}{3}$	Factorise $a^2+8a+12$	Write as top heavy fraction $5\frac{4}{7}$
Expand and simplify: $5(2a+3)+2(4a-3)$	HCF of 216 and 810	Calculate $\frac{2}{5}\div\frac{1}{4}$	Expand $7(2x+1)$	Mean of the following $3,5,4,7,6$	Calculate $\frac{7}{9}-\frac{3}{5}$	Calculate $4\div\frac{5}{7}$	Make a the subject $a^2-b=c$
Solve $a^2-a-20=0$	Solve, $3a-5=13$	Factorise $18ab-3b$	Write 4 as a percentage of 20	Work out 0.23×0.05	Order (smallest first) $\frac{2}{5},0.35,38.2\%$	Expand $a(4a+b)$	$\frac{3}{20}$ as a percentage
Calculate $\frac{3}{5}+\frac{2}{4}$	Evaluate $12\div5$	Write as mixed number $\frac{87}{9}$	Factorise a^2-49	Find the median $4.5,4.05,4,4.3,4.55$	Work out $33\div0.3$	LCM of 4,5 and 6	Write as mixed number $\frac{415}{3}$
Expand $3y(2x+5y)$	$\frac{7}{35}$ as a percentage	Prime numbers between 100 and 110	Find 12.5% of 180	Calculate $\frac{3}{4}\times\frac{1}{12}$	0.6 as a percentage	Calculate x is the mean is 4 $3,7,x,1,6$	Solve, $3=\frac{a+5}{7}$
0.45 as a fraction	Factorise x^3y+x	Solve, $2a=5a-18$	Make a the subject $b-2a=c$	Order (smallest first) $1\frac{1}{5},1.15,105\%$	Expand and simplify: $2(x+5)+5(x+3)$	Increase 45 by 15%	Factorise $a^2+2a-15$