

Mix Essential skills – non calculator #4

Expand $4(7 - 3y)$	Expand $5x(x - 3y)$	Find 17% of 300	Decrease 150 by 13%	Factorise $14a - 28b$	Factorise $4a^2 - 5a$	Solve, $5a + 19 = 11a - 5$	Solve, $7a + 3 = 8a - 5$
Expand and simplify $4(3x + 4) + 2(3x - 4)$	Expand and simplify $3(4x + 1) - 3(5x - 2)$	Increase 24 by 22%	Decrease 54 by 72%	Factorise $5a^2 + 15a$	Factorise $24ab - 16a^2$	Solve, $20 - 2a = 4a - 10$	Solve, $3a + 6 = -8 - 4a$
Calculate $2\frac{2}{3} + 1\frac{1}{4}$	Calculate $5\frac{1}{3} - 3\frac{1}{4}$	Make a the subject $4a + b = c$	Make a the subject $7a - b = c$	Write as improper fraction $5\frac{4}{9}$	Write as improper fraction $3\frac{1}{9}$	Calculate $\frac{5}{8} \div \frac{3}{5}$	Calculate $\frac{1}{8} \div \frac{4}{5}$
Calculate $4\frac{2}{5} + 4\frac{1}{4}$	Calculate $7\frac{1}{5} - 4\frac{1}{4}$	Make a the subject $\frac{a + b}{3} = c$	Make a the subject $b - 3a = c$	Write as improper fraction $11\frac{7}{9}$	Write as improper fraction $6\frac{4}{13}$	Calculate $\frac{5}{9} \div 7$	Calculate $9 \div \frac{2}{5}$
Write 12 as a percentage of 30	Write 54 as a percentage of 60	Evaluate $54 \div 5$	Evaluate $41 \div 4$	Write as mixed number $\frac{201}{5}$	Write as mixed number $\frac{176}{4}$	Order (smallest first) $\frac{1}{5}, 0.201, 20.5\%$	Order (smallest first) $\frac{2}{3}, 0.66, 60.6\%$
Write 14 as a percentage of 35	Write 27 as a percentage of 45	Evaluate $6.7 \div 4$	Evaluate $43 \div 3$	Write as mixed number $\frac{120}{11}$	Write as mixed number $\frac{544}{16}$	Order (smallest first) $\frac{1}{9}, 0.1, 11\%$	Order (smallest first) $4\frac{1}{20}, 4.04, 40.4\%$
Factorise $x^2 - 7x + 12$	Factorise $x^2 + 7x - 18$	Find the HCF and LCM of 48 and 72	Find the LCM of $3, 4$ and 5	Calculate x if mean is 5 $2, 4, x, 8, 3$	Calculate x if mean is 6 $2, 4, x, 8, 3$	Work out 4.8×1.4	Work out 3.8×0.03
Factorise and solve $x^2 - 121 = 0$	Factorise and solve $x^2 - 14x - 32 = 0$	Find the HCF of 105 and 350	Find the HCF and LCM of 12 and 96	Calculate x if mean is 5 $2, 4, x, x, 3$	Calculate x if mean is 6 $x, x, x, 8, 4$	Evaluate $7.2 \div 0.8$	Evaluate $3.4 \div 0.05$