

Number Revision

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(a)	(b)	(c)	(d)
<p>Write the ratio 5 : 4 as a ratio in the form 1 : n</p> <p style="text-align: center; color: red;">$1 : 0.8$</p>	<p>Show that $\frac{11}{12} - \frac{2}{3} = \frac{1}{4}$</p> <p style="text-align: center; color: red;">$\frac{11}{12} - \frac{8}{12} = \frac{3}{12} = \frac{1}{4}$</p>	<p>Increase \$265 by 27%</p> <p style="text-align: center; color: red;">$\\$336.55$</p>	<p>Mario, Luigi and Bowser share £1200 in the ratio 2 : 5 : 1. Find the difference between the amount Luigi receives and the amount Mario receives.</p> <p style="text-align: center; color: red;">$\pounds 450$</p>
(e)	(f)	(g)	
<p>Write 600 as a product of powers of its prime factors.</p> <p style="text-align: center; color: red;">$2^3 \times 3 \times 5^2$</p>	<p>Convert 0.00463 to standard form</p> <p style="text-align: center; color: red;">4.63×10^{-3}</p>	<p>A TV is in a 15% off sale. If the normal price of the TV is £285, what is its sale price?</p> <p style="text-align: center; color: red;">$\pounds 242.25$</p>	
(h)	(i)	(j)	(k)
<p>The temperature in Oslo is -14°C. It increases by 9°C. What is the new temperature?</p> <p style="text-align: center; color: red;">-5°C</p>	<p>Write 3.48×10^7 as an ordinary number.</p> <p style="text-align: center; color: red;">34800000</p>	<p>Roy invests \$5000 at a compound interest rate of 3.5% per annum. How much will the investment be worth after 4 years?</p> <p style="text-align: center; color: red;">$\\$5737.62$</p>	<p>Show that $2\frac{7}{12} + 1\frac{5}{8} = 4\frac{5}{24}$</p> <p style="text-align: center; color: red;"> $\frac{31}{12} + \frac{13}{8}$ $= \frac{62}{24} + \frac{39}{24}$ $= \frac{101}{24} = 4\frac{5}{24}$ </p>
(l)	(m)		
<p>Write $5^6 \times 5^8$ as a single power of 5</p> <p style="text-align: center; color: red;">5^{14}</p>	<p>£1 = 1.25 euros Convert 400 euros into pounds.</p> <p style="text-align: center; color: red;">$\pounds 320$</p>		