Name :

83.1

Question 1 Factorise 55 + 35x	**Question 2** Factorise 12 - 8x	**Question 3** Simplify $a^2 \times b \times b^4 \times b$	**Question 4** Simplify $a^3 \times b \times a^3 \times b$
Question 5 Work out 64.7 - 8.74 =	**Question 6** Work out 8.2 × 1.9 =	**Question 7** Work out $\frac{3}{4} + \frac{1}{2} =$	**Question 8** Work out $\frac{1}{2} - \frac{2}{10} =$
Question 9 Find the nth term: 12, 22, 32, 42,...	**Question 10** Find the nth term: 13, 20, 27, 34,...	**Question 11** Work out 9.1 ÷ 0.7 =	**Question 12** Work out 8 ÷ 0.4 =
Question 13 Solve 4(5x - 3) = 28	**Question 14** Solve 6x + 6 = -6	**Question 15** Divide £90 in the ratio 3 : 7	**Question 16** Divide £48 in the ratio 3 : 5
Question 17 Express 95% as a fraction in its lowest form	**Question 18** Express $\frac{11}{25}$ as a percentage	**Question 19** Find the gradient of the line y = -3x - 2	**Question 20** Find the gradient of the line y = -4x + 5

SKILLS CHECK

Score

Name :

83.2

Question 1 Factorise 22 + 10x	**Question 2** Factorise 15x + 10	**Question 3** Simplify $a^4 \times b \times a^4 \times b$	**Question 4** Simplify $a^3 \times b \times a^4 \times b$
Question 5 Work out 81.8 + 0.8 =	**Question 6** Work out 13.2 × 3.3 =	**Question 7** Work out $\frac{3}{4} + \frac{2}{3} =$	**Question 8** Work out $\frac{1}{2} - \frac{1}{5} =$
Question 9 Find the nth term: 1, 5, 9, 13,...	**Question 10** Find the nth term: 9, 17, 25, 33,...	**Question 11** Work out 18 ÷ 0.9 =	**Question 12** Work out 3.6 ÷ 0.3 =
Question 13 Solve 8x - 9 = -1	**Question 14** Solve 3(3x - 5) = 21	**Question 15** Divide £64 in the ratio 5 : 11	**Question 16** Divide £40 in the ratio 3 : 5
Question 17 Express 90% as a fraction in its lowest form	**Question 18** Express $\frac{7}{20}$ as a percentage	**Question 19** Find the gradient of the line y = 4x - 3	**Question 20** Find the gradient of the line y = -2x + 3

SKILLS CHECK

Score

Name :

83.3

Question 1 Factorise 25x - 35	**Question 2** Factorise 18x + 6	**Question 3** Simplify $a^2 \times b \times a^2 \times b$	**Question 4** Simplify $b^3 \times a \times a^2 \times b$
Question 5 Work out 79.2 ÷ 4 =	**Question 6** Work out 37 × 9 =	**Question 7** Work out $\frac{7}{8} + \frac{3}{4} =$	**Question 8** Work out $\frac{2}{3} - \frac{1}{6} =$
Question 9 Find the nth term: 11, 21, 31, 41,...	**Question 10** Find the nth term: 7, 12, 17, 22,...	**Question 11** Work out 2.2 ÷ 0.2 =	**Question 12** Work out 11 ÷ 1 =
Question 13 Solve 4x + 4 = 2x + 10	**Question 14** Solve 2(8x + 5) = -22	**Question 15** Divide £65 in the ratio 11 : 2	**Question 16** Divide £32 in the ratio 1 : 3
Question 17 Express 61% as a fraction in its lowest form	**Question 18** Express $\frac{49}{100}$ as a percentage	**Question 19** Find the gradient of the line y = 0.5x + 5	**Question 20** Find the gradient of the line y = -2x - 3

SKILLS CHECK

Score