

<b>Question 1</b> Work out $6/7 \times 1/3 =$  $2/7$	<b>Question 2</b> Work out $2/7 \div 3/4 =$  $8/21$	<b>Question 3</b> Work out $50 \times 3.6 =$  $180$	<b>Question 4</b> Work out $16.3 \times 5.3 =$  $86.39$
<b>Question 5</b> Evaluate $2^3$  $8$	<b>Question 6</b> Evaluate $2^0$  $1$	<b>Question 7</b> Expand $5(7x - 5)$  $35x - 25$	<b>Question 8</b> Expand $3x(11-7x)$  $33x - 21x^2$
<b>Question 9</b> Complete $? \text{ m/s} = 7.2 \text{ km/h}$  $2$	<b>Question 10</b> Complete $6 \text{ m/s} = ? \text{ km/h}$  $21.6$	<b>Question 11</b> Find 35% of £220  $\text{£}77$	<b>Question 12</b> Find 50% of £740  $\text{£}370$
<b>Question 13</b> Solve $8x = 3x + 15$  $x = 3$	<b>Question 14</b> Solve $7x - 1 = 3x + 7$  $x = 2$	<b>Question 15</b> Make $x$ the subject of the formula  $x = \frac{y}{a}$	<b>Question 16</b> Make $x$ the subject of the formula  $x = \frac{y-c}{b}$
<b>Question 17</b> Find the $n$ th term: 0, 3, 6, 9, ...  $3n - 3$	<b>Question 18</b> Find the $n$ th term: 7, 11, 15, 19...  $4n + 3$	<b>Question 19</b> Work out $9 \times (4 + 2^2)$  $72$	<b>Question 20</b> Work out $2 \times 2 + 2 \times 10$  $24$



<b>Question 1</b> Work out $2/8 \times 1/2 =$  $1/8$	<b>Question 2</b> Work out $3/5 \div 2/4 =$  $1 \frac{1}{5}$	<b>Question 3</b> Work out $11 \times 4.2 =$  $46.2$	<b>Question 4</b> Work out $19.1 \times 5.6 =$  $106.96$
<b>Question 5</b> Evaluate $2^4$  $16$	<b>Question 6</b> Evaluate $3^3$  $27$	<b>Question 7</b> Expand $3(3 + 11x)$  $9 + 33x$	<b>Question 8</b> Expand $6x(7x - 3)$  $42x^2 - 18x$
<b>Question 9</b> Complete ? m/s = 25.2 km/h  $7$	<b>Question 10</b> Complete 9 m/s = ? km/h  $32.4$	<b>Question 11</b> Find 60% of £500  $\text{£}300$	<b>Question 12</b> Find 80% of £760  $\text{£}608$
<b>Question 13</b> Solve $4x + 0 = 2x - 6$  $x = -3$	<b>Question 14</b> Solve $4x + 4 = 3x - 1$  $x = -5$	<b>Question 15</b> Make x the subject of the formula  $x = \pm \sqrt{\frac{y}{a}}$	<b>Question 16</b> Make x the subject of the formula  $x = a - y$
<b>Question 17</b> Find the nth term: 6, 15, 24, 33,...  $9n - 3$	<b>Question 18</b> Find the nth term: 14, 22, 30, 38,...  $8n + 6$	<b>Question 19</b> Work out $12 \times (14 - 6)$  $96$	<b>Question 20</b> Work out $5 + 2 \times 4 + 6$  $19$



<b>Question 1</b> Work out $1/5 \times 3/5 =$  $3/25$	<b>Question 2</b> Work out $1/4 \div 1/2 =$  $1/2$	<b>Question 3</b> Work out $37 \times 7.2 =$  $266.4$	<b>Question 4</b> Work out $9.6 \times 9 =$  $86.4$
<b>Question 5</b> Evaluate $10^2$  $100$	<b>Question 6</b> Evaluate $5^3$  $125$	<b>Question 7</b> Expand $6(2x + 5)$  $12x + 30$	<b>Question 8</b> Expand $5x(7x + 11)$  $35x^2 + 55x$
<b>Question 9</b> Complete $? \text{ m/s} = 14.4 \text{ km/h}$  $4$	<b>Question 10</b> Complete $9 \text{ m/s} = ? \text{ km/h}$  $32.4$	<b>Question 11</b> Find 45% of £240  $\text{£}108$	<b>Question 12</b> Find 75% of £900  $\text{£}675$
<b>Question 13</b> Solve $7x - 5 = 6x - 2$  $x = 3$	<b>Question 14</b> Solve $7x - 2 = 5x + 2$  $x = 2$	<b>Question 15</b> Make x the subject of the formula  $x = \frac{\pm\sqrt{y}}{a}$	<b>Question 16</b> Make x the subject of the formula  $x = ay$
<b>Question 17</b> Find the nth term: 4, 8, 12, 16,...  $4n$	<b>Question 18</b> Find the nth term: 15, 25, 35, 45,...  $10n + 5$	<b>Question 19</b> Work out $10 \times 5 - 2$  $48$	<b>Question 20</b> Work out $48 - 10 \times 2$  $28$



<b>Question 1</b> Work out $7/10 \times 1/6 =$  $7/60$	<b>Question 2</b> Work out $5/8 \div 1/3 =$  $1 \frac{7}{8}$	<b>Question 3</b> Work out $85 \times 3.2 =$  $272$	<b>Question 4</b> Work out $7.2 \times 8.3 =$  $59.76$
<b>Question 5</b> Evaluate $3^2$  $9$	<b>Question 6</b> Evaluate $3^4$  $81$	<b>Question 7</b> Expand $2(5x + 11)$  $10x + 22$	<b>Question 8</b> Expand $4x(7x + 3)$  $28x^2 + 12x$
<b>Question 9</b> Complete $180 \text{ m/min} = ? \text{ km/h}$  $10.8$	<b>Question 10</b> Complete $? \text{ m/s} = 32.4 \text{ km/h}$  $9$	<b>Question 11</b> Find 25% of £760  $\text{£}190$	<b>Question 12</b> Find 60% of £60  $\text{£}36$
<b>Question 13</b> Solve $8x = 5x + 9$  $x = 3$	<b>Question 14</b> Solve $5x = 2x + 6$  $x = 2$	<b>Question 15</b> Make x the subject of the formula  $x = a(y + b)$	<b>Question 16</b> Make x the subject of the formula  $x = \frac{y}{a} - b$
<b>Question 17</b> Find the nth term: 11, 17, 23, 29,...  $6n + 5$	<b>Question 18</b> Find the nth term: 6, 11, 16, 21,...  $5n + 1$	<b>Question 19</b> Work out $10 + 12 \times 3^2$  $118$	<b>Question 20</b> Work out $4 \times 4 + 2 \times 5$  $26$



<b>Question 1</b> Work out $1/3 \times 1/2 =$  $1/6$	<b>Question 2</b> Work out $1/5 \div 1/2 =$  $2/5$	<b>Question 3</b> Work out $44 \times 2.8 =$  $123.2$	<b>Question 4</b> Work out $12.8 \times 5.8 =$  $74.24$
<b>Question 5</b> Evaluate $4^4$  $256$	<b>Question 6</b> Evaluate $3^2$  $9$	<b>Question 7</b> Expand $3(1 + 3x)$  $3 + 9x$	<b>Question 8</b> Expand $6x(7 - 5x)$  $42x - 30x^2$
<b>Question 9</b> Complete ? m/min = 28.8 km/h  $480$	<b>Question 10</b> Complete ? m/s = 25.2 km/h  $7$	<b>Question 11</b> Find 40% of £460  $£184$	<b>Question 12</b> Find 75% of £240  $£180$
<b>Question 13</b> Solve $6x = 4x + 8$  $x = 4$	<b>Question 14</b> Solve $7x + 5 = 3x + 13$  $x = 2$	<b>Question 15</b> Make x the subject of the formula  $x = \frac{ay - c}{b}$	<b>Question 16</b> Make x the subject of the formula  $x = \frac{y}{abc}$
<b>Question 17</b> Find the nth term: 8, 20, 32, 44,...  $12n - 4$	<b>Question 18</b> Find the nth term: 5, 14, 23, 32,...  $9n - 4$	<b>Question 19</b> Work out $5 \times (3 + 3) \times 4$  $120$	<b>Question 20</b> Work out $4 + 2 \times 2 - 3$  $5$



<b>Question 1</b> Work out $4/7 \times 1/5 =$  $4/35$	<b>Question 2</b> Work out $1/5 \div 1/4 =$  $4/5$	<b>Question 3</b> Work out $12 \times 7.7 =$  $92.4$	<b>Question 4</b> Work out $2.9 \times 5.9 =$  $17.11$
<b>Question 5</b> Evaluate $3^2$  $9$	<b>Question 6</b> Evaluate $2^0$  $1$	<b>Question 7</b> Expand $5(5x + 1)$  $25x + 5$	<b>Question 8</b> Expand $5x(5x - 7)$  $25x^2 - 35x$
<b>Question 9</b> Complete ? m/s = 32.4 km/h  $9$	<b>Question 10</b> Complete ? m/s = 21.6 km/h  $6$	<b>Question 11</b> Find 95% of £980  $£931$	<b>Question 12</b> Find 20% of £580  $£116$
<b>Question 13</b> Solve $8x + 5 = 2x + 41$  $x = 6$	<b>Question 14</b> Solve $7x + 2 = 5x + 14$  $x = 6$	<b>Question 15</b> Make x the subject of the formula  $x = \frac{a}{y} - b$	<b>Question 16</b> Make x the subject of the formula  $x = \frac{b - y}{a}$
<b>Question 17</b> Find the nth term: 1, 5, 9, 13,...  $4n - 3$	<b>Question 18</b> Find the nth term: 8, 14, 20, 26,...  $6n + 2$	<b>Question 19</b> Work out $5 \times (8 + 4^2)$  $120$	<b>Question 20</b> Work out $24 - 9 \times 5$  $-21$





<b>Question 1</b> Work out $5/7 \times 4/5 =$  $4/7$	<b>Question 2</b> Work out $2/8 \div 1/5 =$  $1 \frac{1}{4}$	<b>Question 3</b> Work out $9 \times 9.8 =$  $88.2$	<b>Question 4</b> Work out $3.8 \times 7.2 =$  $27.36$
<b>Question 5</b> Evaluate $5^4$  $625$	<b>Question 6</b> Evaluate $2^5$  $32$	<b>Question 7</b> Expand $6(7 + 3x)$  $42 + 18x$	<b>Question 8</b> Expand $3x(7 + 11x)$  $21x + 33x^2$
<b>Question 9</b> Complete $9 \text{ m/s} = ? \text{ km/h}$  $32.4$	<b>Question 10</b> Complete $? \text{ m/s} = 32.4 \text{ km/h}$  $9$	<b>Question 11</b> Find 75% of £960  $\text{£}720$	<b>Question 12</b> Find 35% of £560  $\text{£}196$
<b>Question 13</b> Solve $8x + 2 = 7x + 4$  $x = 2$	<b>Question 14</b> Solve $5x + 5 = 3x + 11$  $x = 3$	<b>Question 15</b> Make x the subject of the formula  $x = \frac{y}{a + b}$	<b>Question 16</b> Make x the subject of the formula  $x = \left(\frac{y}{a}\right)^2$
<b>Question 17</b> Find the nth term: 17, 29, 41, 53,...  $12n + 5$	<b>Question 18</b> Find the nth term: 2, 10, 18, 26,...  $8n - 6$	<b>Question 19</b> Work out $10 \times (12 - 2)$  $100$	<b>Question 20</b> Work out $2 \times 3 + 3 \times 9$  $33$









