Port Glasgow High



Homework

S1

Silver/Gold

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S1 Homework 1 (Silver/Gold)

No Calculator, Show working

1. Write as a number: Thirty thousand, two

hundred and nine.

1. Write in words: 561 301
2. 14061 + 35991
3. 87012 – 36763
4. 43 x 500
5. 5 + 4 x 3
6. 18 – 3 x 5
7. 80 ÷ (5 x 8)
8. 43 x 137
9. 990 ÷ 22

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S1 Homework 2 (Silver/Gold)

No Calculator, Show working

1. 12780 ÷ 60
2. 23 x 300
3. What number is 3 10th up from 4.8
4. 15.97 + 21.08
5. 8 x 3.79
6. 42 x 3 ÷ (30 – 6)
7. Write in Scientific Notation: 45300
8. Write in Scientific Notation: 0.000784
9. 40 x 6.89
10. 0.4 x 6.89

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S1 Homework 3 (Silver/Gold)

No Calculator, Show working

1. 353600 ÷ 800
2. 148.23 – 97.64
3. Find 4% of 3400
4. Find 45% of 660
5. Convert 70% into a fraction in its simplest form
6. 47 x 218
7. 56 ÷ 0.7
8. Increase £240 by 30%
9. Decrease £1400 by 25%
10. Write 17 out of 25 as a percentage

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S1 Homework 4 (Silver/Gold)

No Calculator, Show working

1. What number is 6 100th down from 5.42
2. Find 15% of 80
3. 5 – 8
4. (-2) + 6
5. (-9) – 9
6. Write in number form 4.5 x 103
7. I bought a calculator for £8 and sold it for £6. What is the percentage loss?
8. 8 x (-3)
9. (-10)2
10. (-42) ÷ (-7)

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S1 Homework 5 (Silver/Gold)

No Calculator, Show working

1. What is the place value of the 3 in 54.73
2. 4 – (-2)
3. Simplify 2x + 3y – x + 2y
4. Expand 4(2x – 3)
5. Expand and simplify 6(x + 2) – 2x
6. 52 + 4 x 2
7. (-2) x (-3) x (-4)
8. Expand (x + 2) (x – 3)
9. Expand (x – 4) (x – 5)
10. Expand and simplify (x + 1) (x + 7) – x2

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S1 Homework 6 (Silver/Gold)

No Calculator, Show working

1. Find 7% of 2800

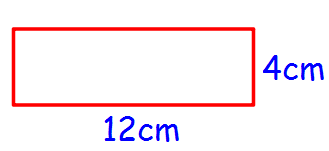
1. X = 2, y = -3. Find the value of y2 + 2x
2. X = -4, y = -1. Find the value of 2x – y
3. Solve 3x + 4 = 19
4. Solve 7x – 2 = 47
5. Increase £350 by 20%
6. Solve 5x + 2 = 3x + 12
7. Solve 7x – 3 = 9x – 21
8. Solve 2(x + 4) = 3x + 1
9. Solve 7(x – 2) = 2(x + 13)

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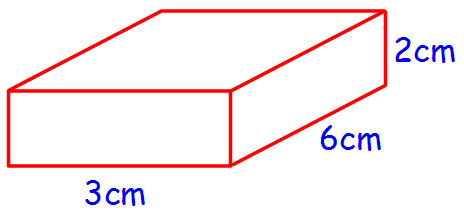
S1 Homework 7 (Silver/Gold)

No Calculator, Show working

1. 300 x 461
2. 711.5 ÷ 5
3. Convert 4233mm into metres.
4. Calculate the area:



1. Calculate the perimeter for Q4.
2. 36 – 4 x 9
3. Write 532000 in Scientific Notation
4. Calculate the volume:



1. Calculate the capacity in ml for Q8.
2. Calculate the capacity in litres for Q8.

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S1 Homework 8 (Silver/Gold)

No Calculator, Show working

1. Find 23% of 5300
2. (-7) x 3
3. Solve 6x + 3 = 45
4. Plot the points A(4,7), B(6,5), C(4,1) and D(2,5)
5. Join up A to B, B to C, C to D and D to A from Q4. Name the shape.
6. Increase 3500 by 40%
7. (-2)3 x (5 + 2) – 6
8. 3(2x – 4) = 4(x + 1)
9. Plot the points A(-4,1), B(-2,1) and C (-3,5). Join the coordinates to make a triangle.
10. Reflect the triangle in the x-axis and y-axis, so there is a triangle in each quadrant from Q9.