Port Glasgow High



Homework

S2

Bronze/Silver

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S2 Homework 1 (Bronze/Silver)

No Calculator, Show working

1. Write down the first 4 multiples of 8
2. What is the lowest common multiple of 3 & 4?
3. 180 + 130
4. 925 – 431
5. 11 x 8
6. Write down the factors of 12
7. What is the highest common factor of 6 and 10?
8. (-6) x 3
9. Find 20% of 580
10. (a) 24 (b) 62 - 33

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S2 Homework 2 (Bronze/Silver)

No Calculator, Show working

1. 56 ÷ 7
2. 82
3. How many 10p pieces should I get for £6.80
4. What is the lowest common multiple of 6 & 8?
5. List all of the prime numbers between 10 & 20
6. 3180 ÷ 60
7. $\frac{1}{4} + \frac{1}{4}$
8. What is the highest common factor of 20 & 24?
9. $\frac{1}{3}$ of £39.30
10. Solve 2x + 1 = 25

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S2 Homework 3 (Bronze/Silver)

No Calculator, Show working

1. 72 ÷ 9
2. $\frac{2}{5}$ of 125g
3. Find 10% of 240

The picture shows a mixture of snacks made up of burgers and hotdogs. Use this to answer the following questions:



1. What fraction of the snacks are burgers?
2. Can you simplify this fraction?
3. What fraction of the snacks are hot dogs?
4. 72 - 23
5. Find 5% of 6600
6. 12 x 11
7. Convert 80% into a fraction in its simplest form

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S2 Homework 4 (Bronze/Silver)

No Calculator, Show working

1. What is the lowest common multiple of 6 & 12?
2. Find 70% of 240
3. What temperature is 8 degrees down from 2oC
4.  $\frac{4}{9}$ of £81
5. What fraction is shaded?
6. Simplify the fraction $\frac{15}{20}$
7. $\frac{2}{3} + \frac{1}{6}$
8. (-5) – 8
9. Write $\frac{4}{10}$ as a percentage and decimal
10. Write down two fractions equivalent to $\frac{2}{5}$

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S2 Homework 5 (Bronze/Silver)

No Calculator, Show working

1. Write $\frac{1}{5}$ as a percentage and decimal
2. Calculate $\frac{3}{8}$ of £328
3. Simplify 6x + 5x
4. 8 x 7



1. 23 x 40
2. What is the fraction that is shaded?
3. $\frac{3}{4} - \frac{5}{8}$
4. Write 5.45pm in 24 hour clock time
5. 112
6. What is the time difference between 0730 to

 1115?

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S2 Homework 6 (Bronze/Silver)

No Calculator, Show working

1. 40% of 180
2. 122 - 102
3. Write 1320 in 12 hour clock format

Here is a bus timetable from Edinburgh to Newcastle:

1. What time did the bus leave Edinburgh?

 Answer in 12 hour clock format

1. How many minutes **before** 3pm did the bus

 reach Galashiels?

1. The bus passed through Hawick 20 minutes

 after Galashiels, what time was this?

1. Newcastle is half an hour away from Hexham,

 what time does it arrive in Newcastle?

1. How long is the journey from Edinburgh to

 Newcastle?

1. 2 x 3 + 4
2. 345 - 199

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S2 Homework 7 (Bronze/Silver)

No Calculator, Show working

1. 296 + 738
2. £10 – £3.49
3. Write 1732 in 12 hour clock format
4. What is the time difference between 1020 to

 1410?

1. Jack bought a guitar for £160 and sold it one year

 later for £85. What was the loss he made?

1. 300 x 491

1. $\frac{3}{5} - \frac{2}{10}$
2. Mary buys sweets costing £8.46. What change will

 she receive from £20 note?

1. How many degrees are between North and West?



1. What 3D shape would this net make?

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S2 Homework 8 (Bronze/Silver)

No Calculator, Show working

1. Find 30% of £450
2. What temperature is 5 degrees below -20C
3. What change would I get from £10 if I spent £1.55?
4. I face North West. I turn 90° clockwise. What

 direction am I now facing?

1. Simplify 3y + 12y
2. 233 + 129
3. (-7) x 3
4. Find $\frac{2}{7}$ of £63
5. Make a scale drawing of the wall using 1cm = 3m



1. On a map two aeroplanes are 4.5cm apart.

 The scale on the map is 1cm = 20km.

Find the real distance between the areophane’s.

