**L1 Revision Test A AS 1.1 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**(Achieve)**

Calculate the following:

**1) 14 + -6 =**  **2) -4 – -5 =**  **3) -54 ÷ -9 =**

**4) (8 + -3) × -4 =**  **5) 5 – 8 × -6 =**  **6) 82 ÷ -4 =**

Ex 23.01 & 2

**7) 45 =**  **8) 2.543 =**  **9) -82 +(-8)2 =**

**10)  11)  12)  (3sf)**

Ex 23.03

**13) Reciprocal of  14) Reciprocal of  15) Reciprocal of -0.64**

18

**16) Simplify  17)  18) **

**(Merit)**

**19)** Three fifths of orchards in Nelson grow apples. Three quarters of the apple orchards grow Fuji apples. What fraction of orchards in Nelson grow Fuji apples?

(show working)

**20)** A quarter of car imports into New Zealand are from Europe, and three fifths are from Japan. A fifth of the rest come from South Korea. What fraction of all car imports are from South Korea? (show working)

6

Ex 8.05

**(Excellence)**

When a milk tanker is full it contains 3800 litres. How many more litres are needed to make it ****full?

6

Mark

30

**L1 Revision Test B AS 1.1 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**(Achieve)**

**Change these fractions to decimals**

**1) ** **2) ** **3)**  **4)** 

4

Ex 23.06

Convert between decimal, fraction and percentage:

|  |  |  |
| --- | --- | --- |
| Decimal | Fraction | Percentage |
| 0.48 |  |  |
|  |  |  |
|  |  | 8% |
|  |  |  |

5)

6) Find 24% of $18 =

7) Find 4% of $280 =

8) Find 140% of $80 =

12

9) Find 0.2% of $370 =

Ex 24.01

**(Merit)**

Find the unknown values

10) 15% of A = $35 Find A (show working)

11) 4% of B = $12.80 Find B (show working)

12) 130% of C = $350 Find C (show working)

13) A car is on sale with a price reduced to $2800 from $3280

8

Calculate the percentage discount given.

**(Excellence)**

14) A winery decides to blend two wines together.

400 litres of wine A (11% alcohol) is combined with 220 litres of wine B (14% alcohol).

What will the % alcohol be in the blended wine?

6

Mark

30