Learning POWER – Back To The Future Education Aust Pty Ltd

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Year 6 - Assessment B

Full Name	Current Grade
Date	Phone Number (business hours please)
Parent/guardian's Name	Alternative phone number

PARENTS: Please **DO NOT** help or prompt the student.

1) Order these race times from first to fourth.

1:00:46	1:01:38	1:00:38	1:01:24

a) 1st	b) 2nd	c) 3rd	d) 4th

2) Complete each problem about speed travelled. Show all working.

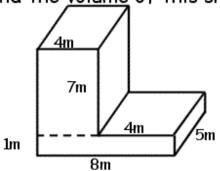| a) A bus travelled at 72km/h for 7 hours. How far did the bus travel ? Answer =	b) A car travelled a distance of 480 km in 6 hours. At what speed did it travel ? Answer =

3) What do the letters AEST stand for ?

   A _____ E _____ S _____ T _____

4) a) 250g = _____ kg   b) $2\frac{1}{4}$ kg = _____ g   c) 0·7kg = _____ g

5) a) 565kg = _____ t   b) 71 000kg = _____ t

6) a) 0·001t = _____ kg   b) 6·04t = _____ kg

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7) a) 750mL = _____ L _____ b) 379mL = _____ L _____

   c) 0·9L = _____ mL _____ d) 8·62L = _____ mL _____

8) Find the volume of this shape. (Drawing is not to scale.)

V of Shape A= ___ X ___ X ___

V of Shape A= _____ m^3

V of Shape B= ___ X ___ X ___

V of Shape B= _____ m^3

Total Volume = _____ m^3

9) a) When the bank lets us use its money, this is giving us _____.

   b) When we use the bank's money our account goes into _____.

10) Calculate the missing values.

$$18 \div 6 = \boxed{} \div 5$$

$$\underline{} = \boxed{} \div 5$$

11) a) Write the inverse number sentence of $4 \times 2·2 = 8·8$

   _____

   b) What is the inverse operation of subtraction ? _____

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12) Which two numbers have a sum of 47 and a difference of 13 ?

 a) Create a list or table.

 b) Answer : | _____ and _____ |

13) Construct a number sentence for the following problem. Remember to work backwards and use the inverse (opposite) operations. Read the problem carefully. There are two steps in the following problem.

> I am thinking of a number, that when I multiply it by 4 and add 9, the answer is 33.
>
> a) _____
>
> b) _____
>
> c) So the number I am thinking of, is [   ].
>
> d) The number sentence is _____ .

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14) a) Write all the prime numbers between 1 and 20.

_____

b) Write all the composite numbers between 1 and 20.

_____

15) Complete the table by following the rule.

Rule : b = (a + 3) × 2

a	1	2	3	4	5	6
b						

Result

$\dfrac{}{33}$