Assessment 1 MEMO

TERM 1

1. Calculate.

a) 18 000 − 4 785 = 13 215 b) 697 × 823 = 573 631 c) 75 075 ÷ 325 = 231

2. Complete: a) 22 × 1 = 22 b) 0 ÷ 5 = 0 (5 × 0 = 0) c) 25 ÷ 25 = 1 d) 576 ÷ 0 = undefined

3. Circle the letter of the correct answer.

3.1 $7 \times 10^4 + 9 \times 10 + 8 \times 10^2 + 3 \times 10^6 =$ 3 070 890

A 7 000 908 300 B 370 890 **C** 3 070 890 D 30 070 890

3.2 $50 - (8 - 3) \times 4 \div 2 = 50 - 5 \times 4 \div 2 = 50 - 10 = 40$

A 40 B 90 C 78 D 15

3.3 Determine the highest common factor of 18, 30 and 42. HCF = 6

A 3 **B** 6 C 9 D 18

3.4 Determine the lowest common multiple of 9, 30 and 45. LCM = 90

A 45 **B** 90 C 180 D 270

4. To make lilac paint, you have to mix red, blue and white paint in the ratio, 3 : 4 : 1 : 8.
If you want 32 litres of lilac paint, how much blue paint do you need?

R : B : W : L
12 : 16 : 4 : 32

You need 16 litres of blue paint.

5. Use the ladder method to factorise 180.

180 = 2 × 2 × 3 × 3 × 5

2	180
2	90
3	45
3	15
5	5
	1

6. Dad travels at an average speed of 80 km/h. At what time will he arrive at his office, which is 20km away, if he leaves home at 07:30?

T = D ÷ S = 20km ÷ 80km/h = ¼ h = 15min

He will arrive at 07:45.

7. Share 30 apples between A, B and C in the ratio 2 : 1 : 3.

There are 2 + 1 + 3 = 6 parts in total.

One share = 30 ÷ 6 = 5 apples

A's share = 2 × 5 = 10 apples

B's share = 1 × 5 = 5 apples

C's share = 3 × 5 = 15 apples

Check: 10 + 5 + 15 = 30 apples

A	:	B	:	C	:	Total
2	:	1	:	3	:	6
10	:	5	:	15	:	30

8. Mia spends 20 minutes washing, ½ hour ironing and the rest of the time folding the laundry.

The ratio of time spent washing to folding the laundry is 2 : 1.

How much time did she spend in total on all 3 activities?

She spent 60 minutes/ 1 hour in total.

W	:	I	:	F	:	Total	
2	:	3	:	1	:	6	×10
20	:	30	:	10	:	60	

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