

NAME: .....

**NATURAL NUMBERS**

**TIME: 30**

- 1.
- |     |       |  |   |            |
|-----|-------|--|---|------------|
| (a) | 50000 |  | 1 |            |
|     |       | <i>B1 (accept ten thousand or 10 000) oe</i> |   |            |
| (b) | 0.9   |  | 1 |            |
|     |       | <i>B1 cao</i>                                |   |            |
|     |       |  |   | <b>[2]</b> |
- 2.
- |      |       |                     |   |            |
|------|-------|---------------------|---|------------|
| (i)  | 0.323 |                     | 2 |            |
|      |       | <i>B1 for 0.323</i> |   |            |
| (ii) | 17000 |                     |   |            |
|      |       | <i>B1 for 17000</i> |   |            |
|      |       |                     |   | <b>[2]</b> |
- 3.
- 14
- M1
- A1
- 4.
- |     |        |           |   |            |
|-----|--------|-----------|---|------------|
| (a) | 4062   |           | 1 |            |
|     |        | <i>B1</i> |   |            |
| (b) | 70 000 |           | 1 |            |
|     |        | <i>B1</i> |   |            |
| (c) | 2500   |           | 1 |            |
|     |        | <i>B1</i> |   |            |
|     |        |           |   | <b>[3]</b> |
- 5.
- |     |        |  |   |            |
|-----|--------|--|---|------------|
| (a) | 54 000 |  | 1 |            |
|     |        | <i>B1 cao accept 54 thousand</i>             |   |            |
| (b) | 50 000 |  | 1 |            |
|     |        | <i>B1 (accept ten thousand or 10 000) oe</i> |   |            |
|     |        |  |   | <b>[2]</b> |
- 6.
- |     |     |    |  |   |  |
|-----|-----|----|--|---|--|
| (a) | (i) | 25 |  | 4 |  |
|-----|-----|----|--|---|--|

- B1 for 25*
- (ii) 28  
*B1 for 28*
- (iii) 5 and 20  
*B1 for 5 and 20*
- (iv) 26 and 33  
*B1 for 26 and 33*
- (b)  $2^3 = 8$   
or  $2^3 = 2 \times 2 \times 2$  (which is not 6) 1  
*B1 for valid 'explanation'*

**[5]**

7.

- (a) 9 1  
*B1 for 9*
- (b) 14 1  
*B1 for 14*
- (c) 8 and 20 1  
*B1 for both 8 and 20*
- (d) 23 and 14 1  
*B1 for both 14 and 23*

**[4]**