Name: _____ Date: _____

Number and place value

1 The table below shows the tallest mountain on each of the seven continents. Round the height of each mountain to the nearest 1000 m.

Mountain	Continent	Height (m)	Rounded to the nearest 1000 m
Mount Everest	Asia	8848	**9000**
Aconcagua	South America	6961	**7000**
Mount McKinley	North America	6194	**6000**
Mount Kilimanjaro	Africa	5895	**6000**
Mount Elbrus	Europe	5642	**6000**
Mount Vinson	Antarctica	4892	**5000**
Mount Kosciuszko	Australia	2228	**2000**

1
7 marks

2 The table below shows the estimated population of eight cities (2015). Round the population of each city to the nearest million.

City	Country	Population	Rounded to the nearest million
Shanghai	China	24 150 000	**24 000 000**
Beijing	China	21 516 000	**22 000 000**
Mumbai	India	12 655 220	**13 000 000**
Jakarta	Indonesia	9 988 329	**10 000 000**
Tokyo	Japan	9 071 577	**9 000 000**
Mexico City	Mexico	8 874 724	**9 000 000**
London	UK	8 416 535	**8 000 000**
Los Angeles	USA	3 884 307	**4 000 000**

2
8 marks

Number and place value

3 The table below shows the winning heights and distances for some field events in an athletics competition. Round each height or distance to the nearest whole number and to 1 decimal place.
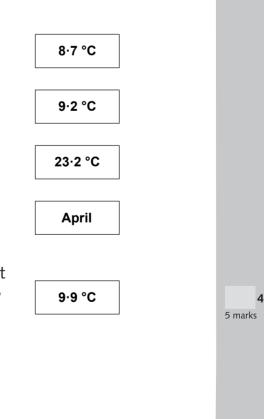
Event	Distance/ height (m)	Rounded to the nearest whole number	Rounded to 1 decimal place
discus throw	75·82	76	75·8
high jump	2·08	2	2·1
javelin throw	68·34	68	68·3
long jump	6·78	7	6·8
shot-put	22·63	23	22·6

3

10 marks

4 The table below shows the yearly average monthly temperatures (°C) at McMurdo Station, South Pole.

J	F	M	A	M	J	J	A	S	O	N	D
−2·9	−9·5	−18·2	−20·7	−21·7	−23	−25·7	−26·1	−24·6	−18·9	−9·7	−3·4

a) By how many degrees does the temperature fall between February and March?

8·7 °C

b) What is the difference in temperature between October and November?

9·2 °C

c) What is the difference in temperature between the coldest and the warmest months?

23·2 °C

d) In which month is the temperature 2·3 °C warmer than in June?

April

e) In January, the average monthly temperature in London is 7 °C. How many degrees colder is it in January at McMurdo Station than in London?

9·9 °C

4

5 marks

● solve number and practical problems
  that involve all of the above | Page 2 of 2

Total: ____ out of 30   Mastery: NYA   A   A&E