

UNIT 2 *Arithmetic: Place Value*

Overhead Slides

Overhead Slides

- 2.1 Number Systems
- 2.2 Rounding
- 2.3 Place Value
- 2.4 Estimation
- 2.5 Decimal System
- 2.6 Rounding to a Given Number of Decimal Places

OS 2.1

Number Systems

Write out the following numbers in words

of millions			of thousands					
Hundreds	Tens	Units	Hundreds	Tens	Units	Hundreds	Tens	Units
5	7	2	6	4	1	8	3	9
	4	0	9	1	3	0	2	7
1	0	0	5	0	3	0	1	0
	1	0	0	4	0	2	0	8

OS 2.2

Rounding

<i>Number</i>	<i>Nearest</i>		
	<i>10</i>	<i>100</i>	<i>1000</i>
3827			
549			
4645			
147			
64 278			
956			

OS 2.3

Place Value

What does the '9' represent in each of these numbers?

9 472	9 thousands or 9000
62 091	
193 041	
329	
9 800 000	
91 000 000	

OS 2.4*Estimation*

For each statement below, give reasons whether it is likely to be true or false.

- A: The average length of a lorry is 200 cm
- B: The average weight of a group of students is 70 kg
- C: There are about 32 million seconds in a year
- D: The average hourly rate of pay for 16 year olds is £6.50 per hour
- E: The average number of viewers of each episode of "Coronation Street" is 18 million
- F: The average number of smarties in a tube is 23
- G: In the UK there are about 2 babies born every minute

OS 2.5

Decimal System

Write out the following numbers in words

Hundreds	Tens	Units	•	Tenths	Hundredths	Thousandths
1	4	7	•	2	0	9
	2	6	•	0	9	2
		5	•	0	0	7
4	7	0	•	0	5	

OS 2.6 *Rounding to a Given Number of Decimal Places*

<i>Number</i>	<i>Correct to</i>		
	<i>1 d.p.</i>	<i>2 d.p.</i>	<i>3 d.p.</i>
5.4455			
0.0674			
0.0495			
3.6545			
0.0065			
12.4822			