

CONTENTS

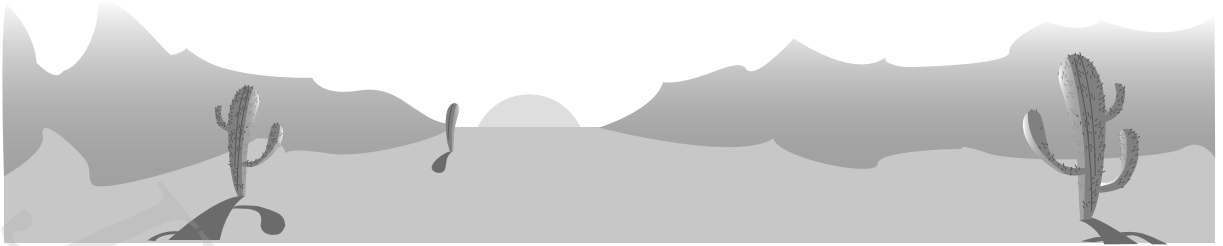
(TEACH N LEARN · PRIMARY 4)

1	WHOLE NUMBERS (1)	4
	Numbers To 100 000 / Comparing And Ordering / Problem Solving / Challenges	
2	WHOLE NUMBERS (2)	12
	Rounding Off Numbers To The Nearest Ten / Rounding Off Numbers To The Nearest Hundred / Estimation / Factors / Multiples / Problem Solving / Challenges	
3	WHOLE NUMBERS (3)	25
	Multiplication By A 1-Digit Number / Multiplication By A 2-Digit Number / Division By A 1-Digit Number / Problem Solving / Challenges	
4	TABLES AND LINE GRAPHS	42
	Tables / Line Graphs	
5	FRACTIONS	52
	Mixed Numbers / Improper Fractions / Conversion Of Fractions / Adding And Subtracting Fractions / Fraction Of A Set / Problem Solving / Challenges	
6	ANGLES	66
	Understanding Angles / Drawing angles To 180° / Turns And Right Angles / 8-Point Compass / Problem Solving / Challenges	
7	PERPENDICULAR AND PARALLEL LINES	77
	Drawing Perpendicular Lines / Drawing Parallel Lines / Horizontal And Vertical Lines	

8	SQUARES AND RECTANGLES	83
	Squares And Rectangles / More On Squares And Rectangles / Problem Solving / Challenges	
9	DECIMALS (1)	92
	Understanding Tenths / Understanding Hundredths / Understanding Thousandths / Comparing And Ordering / Rounding Off Decimals / Fractions And Decimals / Problem Solving / Challenges	
10	DECIMALS (2)	105
	Addition / Subtraction / Multiplication / Division / Estimation Of Decimals / Problem Solving / Challenges	
11	TIME	121
	Seconds / 24-Hour Clock / Problem Solving / Challenges	
12	AREA AND PERIMETER	129
	Rectangles And Squares / Composite Figures / Problem Solving / Challenges	
13	SYMMETRY	141
	Identifying Symmetric Figures / Identifying Lines Of Symmetry / Making Symmetric Figures And Patterns / Challenges	
14	TESSELLATIONS	149
	Identifying Tessellations/ More Tessellations / Challenges	
	ANSWER KEY & DETAILED SOLUTIONS.....	157~176

*More challenging problems especially for advanced pupils.

UNIT 2 WHOLE NUMBERS (2)



ROUNDING OFF NUMBERS TO THE NEAREST TEN

Vocabulary



Round Off To change a number to the nearest number ending in zero(s).

Example: The teddy bear costs \$19.
We can round it off to \$20.
 $\$19 \approx \20



' \approx ' stands for
'approximately equal to'.



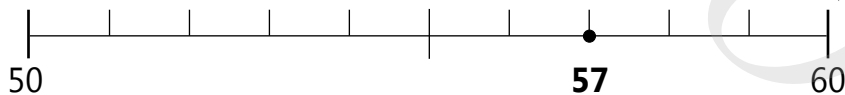
How To

To round off a number to the nearest ten, we look at the digit in the ones place.

- If the digit is less than 5, we round down;
- If the digit is equal to or greater than 5, we round up.

Round off 57 to the nearest ten.

Locate and mark the number between two consecutive tens on the number line.



↑
The ones digit is 7.
So, we round up.

57 is between 50 and 60.

It is nearer to 60 than to 50.

57 is 60 when rounded off to the nearest ten.

We say 57 is **approximately equal to** 60.

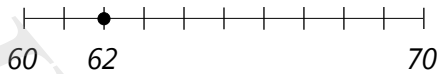
Written as: $57 \approx 60$

Exercise 2.1

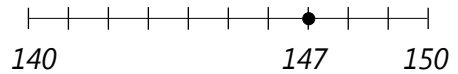
ROUNDING OFF NUMBERS TO THE NEAREST TEN

1. Round off the numbers to the nearest ten.

a) $62 \approx$



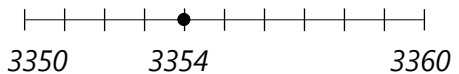
b) $147 \approx$



c) $286 \approx$



d) $3354 \approx$



e) $4295 \approx$

f) $5813 \approx$

g) $14\ 953 \approx$

h) $38\ 549 \approx$

2. The mass of a metal box is 394 kg. Round off the mass of the metal box to the nearest ten.

3. The number of children at a concert is 70 when rounded off to the nearest ten.

a) What is the smallest possible number of children at the concert?

b) What is the greatest possible number of children at the concert?

Exercise 2.6 PROBLEM SOLVING

1. Ben has less than 50 storybooks.
He can arrange them into either 7 or 5 equal stacks.
How many storybooks does he have?



2. Judy wrote a 2-digit even number on the board.
The number could be divided by 5 exactly.
It could also be divided by 9 exactly.
What number did Judy write on the board?

