

I	n	Ч	ρх
1		u	-

1	Count, arrange, a	and compare whole numbers	2
2	Number sentence	S	17
3	Addition and sub	otraction	20
4	Common fraction	IS	30
5	Time		48
6	2D shapes 67		
7	Data handling	76	
8	Numeric and geor	metric patterns 80	_
9	Multiplication and	division 86	
10	3D objects 106		
11	Symmetry 112		
12	Decimals 114		
13	Capacity and volu	me 122	
14	Mass 130		
15	Views 136		
16	Transformations	137	
17	Percentages 142		
18	Temperatures	146	
19	Length 151		
20	Perimeter, area, v	olume, and surface area 158	
21	Position and move	ement 165	
22	Probability 166)	

CHAPTER 1: COUNT, ARRANGE, AND







COMPARE WHOLE NUMBERS

READ NUMBERS

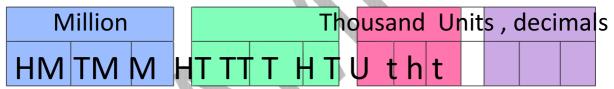
Example

136 131 628

One hundred and thirty-six million one hundred and thirty-one thousand six hundred and twenty-eight

WRITE NUMBERS

Group in groups of 3:



Example Write

246 552 698 in words:

Two hundred and forty-six million, five hundred and fifty-two thousand, six hundred and ninety-eight

Example Write

56 000 000, 708 in words:

Fifty-six million, comma seven zero eight

CHAPTER 3: ADDITION AND SUBTRACTION

ADDITION (+)





Without carry-over

1. T U First add all the units below 2. T U 4 2 each other, and then all the 24

	1	9		5 6	8	7 5			1	5			8	6 5	89
+	8	0	1	1	1	2	2	+	6	3	1	3	4	1	0
9 9	9	,							6	79	9 7	7 8	9 9	9 9	9 9

SUBTRACTION (-)

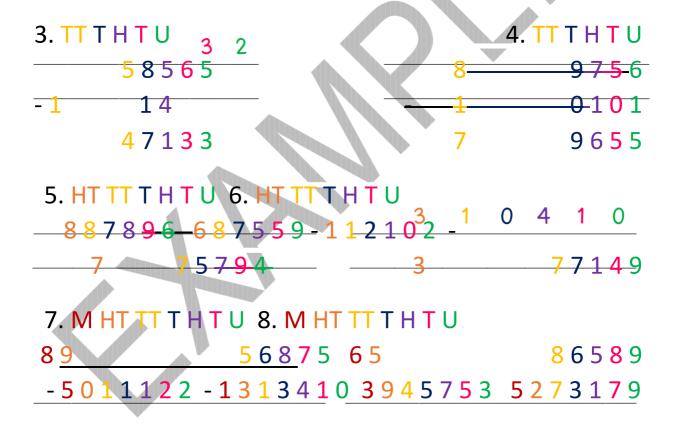
Without borrowing

1. T U First minus all the units below 2. T U

4 2	each other, and then all the	89
	tens below each other. ALWAYS -	15
3 1	work from behind!	7 4







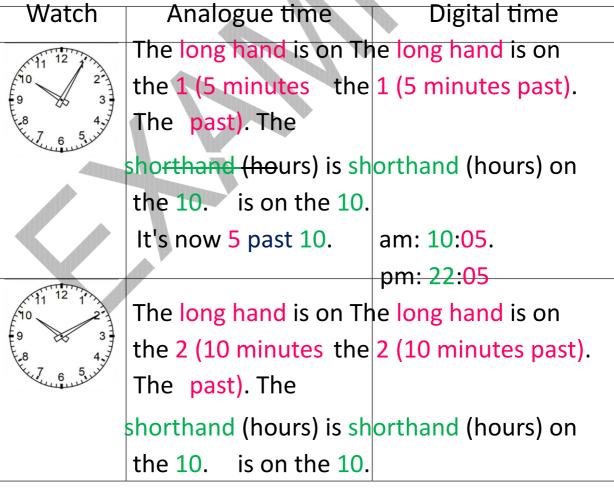
CHAPTER 5: TIME

ANALOGUE AND DIGITAL TIME

The long hand shows the minutes, and the shorthand shows the hours. Count in 5's for minutes.







It's 10 past 10. am: 10:10

CHAPTER 6: 2D SHAPES

A 2D shape is a shape that has a length and width. Shapes that we can draw on paper are 2D shapes.







CLASSIFY ANGLES

Sketch	Name	Remember				
		it has an acute				
	acute angle	angle is sharp				
	W.K.	and can sting!				
		this angle is				
	obtuse angle	obtuse and cannot sting.				
		it's a <i>right</i> angle,				
	right angle	just like in your				
		home.				
	extended	like open				
	angle	extended arms.				
	indented	jump into the				
\approx	angle	indented pool!				
	revolution	all the way				
	764014(10)1	round.				

CHAPTER 9: MULTIPLICATION AND DIVISION

MULTIPLICATION (X)







Multiplication tables are very important!

Without carry-over

3 2

x 1 2

6 4

+ 3 2 0

3 8 4

$$2 \times 2 = 4$$

 $3 \times 2 = 6$

Cross out the 2.

Put a O. (Lay a golden egg)

Multiply with 1.

 $2 \times 1 = 2$

 $3 \times 1 = 3$

Add

2 3

x 2 3

6 9

+ 4¹ 6 0 5 2 9

$$3 \times 3 = 9$$

$$2 \times 3 = 6$$

Cross out the 3.

Put a O. (Lay a golden egg)

Multiply with 2.

 $3 \times 2 = 6$

 $2 \times 2 = 4$

Add

Long division



5

?



1. 3 8 r 4 5 5 6 9

- 9 5
- 2. 9 21 6

$$5 \div 5 = 1$$
 $1 \times 5 = 5$
 $5 - 5 = .$
 $6 \div 5 = 1$
 $1 \times 5 = 5$
 $6 - 5 = 1$
 $19 \div 5 = 3$
 $3 \times 5 = 15$
 $19 - 15 = 4$
 $44 \div 5 = 8$
 $8 \times 5 = 40$

2. . 3 9 2
$$r 4$$
6 2^1 13 5 6
- 1 8 $\sqrt{}$
5 5
- 5 4 $\sqrt{}$
1 6
- 1 2

$$5 \div 6 = .$$
 $23 \div 6 = 3$
 $3 \times 6 = 18$
 $23 - 18 = 5$
 $55 \div 6 = 9$
 $9 \times 6 = 54$
 $55 - 54 = 1$
 $16 \div 6 = 2$
 $2 \times 6 = 12$
 $16 - 12 = 4$

44 - 40 = 4

. 6





MULTIPLES AND FACTORS

Multiples: count in.

Factors: what can be divided into

Example

Write the first five multiples of 30

 $M_{30} = \{30; 60; 90; 120; 150\}$

Write the first five multiples of 15

 $M_{15} = \{15; 30; 45; 60; 75\}$

Write the first five multiples of 7

 $M_7 = \{7; 14; 21; 28; 35\}$

Write the first five multiples of 9

 $M_9 = \{9; 18; 27; 36; 45\}$

Write the first five multiples of 12

 $M_{12} = \{12; 24; 36; 48; 60\}$

Example Write

the factors of 30

 $F_{30} = \{1; 2; 3; 5; 6; 10; 15; 30\}$

Write the factors of 24 F_{24} =

{1; 2; 3; 4; 6; 8; 12; 24} Write

the factors of 32

 $F_{32} = \{1; 2; 4; 8; 16; 32\}$

Write the factors of 45







$$F_{45} = \{1; 3; 5; 9; 15; 45\}$$

Write the factors of 60

 $F_{60} = \{1; 2; 3; 4; 5; 6; 10; 12; 15; 20; 30; 60\}$

WORD PROBLEMS WITH MULTIPLICATION

Look out for words like times, <u>multiply</u>, <u>e</u>ach, <u>if</u> 1 box = R10 then 5 boxes...

Example

Tessa reads 45 min per day. She reads 30 days per month. She reads for 3 months. How long does she read in total in 3 months? $45 \text{ min } \times 30 \times 3 = 4050 \text{ min}$







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