



"supporting schooling for excellence"

NAME: _____

GRADE: _____

TERM: _____



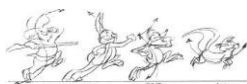
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TEACHER: _____

SCHOOL: _____

INTEGERS

MENTAL MATHS



Fill in the missing numbers

- 450; 455; 460;
- 989; 789; 589;
- 601; 604; 607;

QUESTION 1

1.1 Count forwards in 25's

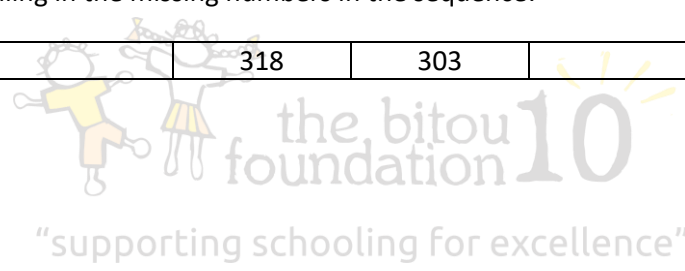
115;;;;;

1.2 Count backwards in 30's

495;;;;;

1.3 Complete the blocks by filling in the missing numbers in the sequence:

363			318	303			258
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MENTAL MATHS



Write in words the number value of the underlined digit:

- 639
- 742
- 921
- 429
- 290

QUESTION 2

1. Write down the value of each of the following underlined digits in the correct column and
2. Add all the values and
3. Write the answer of the total in words.

4 <u>8</u> 7					
632 <u>1</u>					
<u>6</u> 22					
7 <u>3</u> 9					
4 <u>2</u> 04					
Total			Total written in words:		

MENTAL MATHS



- ✓ $9 \times 8 = \dots\dots\dots$
- ✓ Half of 54 $\dots\dots\dots$
- ✓ Double 32 $\dots\dots\dots$
- ✓ $3 + 15 + 24 + 2 = \dots\dots\dots$
- ✓ $56 - 20 - 4 - 7 = \dots\dots\dots$

QUESTION 3

3.1. What is the **place value** of the underlined digits?

a) 6 <u>3</u> 41	
b) <u>2</u> 413	
c) 94 <u>6</u>	
d) <u>2</u> 822	
e) 13 <u>6</u> 1	

3.2. Write the following numbers in words:

2 413 $\dots\dots\dots$

946 $\dots\dots\dots$



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MENTAL MATHS



Write the numbers for these sentences

- five hundred and six $\dots\dots\dots$
- three thousand and thirty-four $\dots\dots\dots$
- two thousand eight hundred and forty-six $\dots\dots\dots$

QUESTION 4

4.1. Write in expanded notation:

- a) $765 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- b) $3281 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- c) $9429 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- d) $186 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$

4.2. Write the total:

- a) $4000 + 300 + 20 + 6 = \dots\dots\dots$
- b) $600 + 2000 + 30 + 4 = \dots\dots\dots$
- c) H + T + U = $\dots\dots\dots$
- d) $6 \times 1000 + 4 \times 10 + 2 \times 1 = \dots\dots\dots$

MENTAL MATHS



Closer to which number are the following numbers? Circle the correct answer in brackets.

- ❖ 16 (10 / 20)
- ❖ 24 (20 / 30)
- ❖ 36 (30 / 40)
- ❖ 101 (100 / 200)
- ❖ 159 (100 / 200)

QUESTION 5

5.1. Round each number off to the nearest number written in brackets.

1. 36 (10)
2. 456 (10)
3. 694 (10)
4. 789 (100)
5. 921 (100)
6. 462 (10)
7. 666 (100)
8. 666 (1000)

5.2. Indicate whether the rounded off numbers are < or >

1. 368 (10) 365 (10)
2. 1829 (100) 1900 (100)
3. 929 (100) 939 (10)
4. 772 (10) 760
5. 2846 (1000) 2599 (1000)



MENTAL MATHS



Indicate whether the numbers are odd or even.

- 295
- 338
- 632
- 999

QUESTION 6

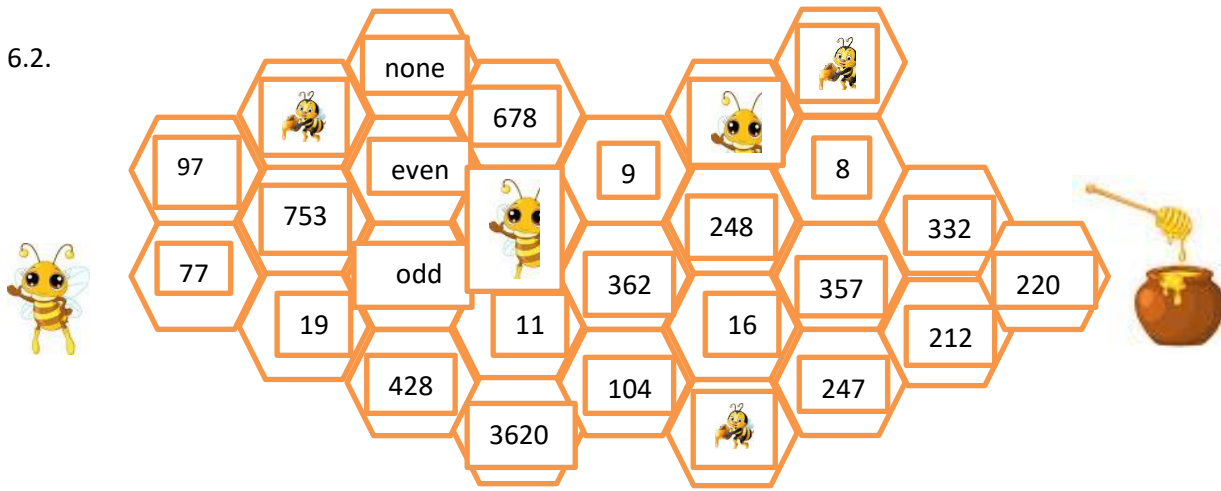
6.1. Look at the numbers in the box.

45	96	24	36	33	83	46	55	31	76	88
123	583	846	792	821	643	816	222			

Circle all the even numbers.

What do you know about even numbers?

6.2.



Help the little bee get to the honey pot by colouring in the answers to the following:

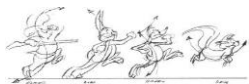
1. Add the first 3 odd numbers.
2. The biggest number you can make from the digits 5,3 and 7.
3. $35 + 42 =$
4. Double 52. Is the answer odd or even?
5. Work out: $6 \times 10 + 3 \times 100 + 2 =$
6. Write the value of the number which is written as three hundred and fifty-seven
7. $392 - 172 =$
8. Write the next number in the sequence: 173, 198, 223,
9. $648 + 30 =$
10. Half of 664



NUMBER SENTENCES

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MENTAL MATHS



Do the sums:

- Increase 28 by 36 =
- Decrease 45 by 20 =

QUESTION 1

1.1. State whether the following are true or false:

1. $26 + 9 = 9 + 26$
2. $26 - 9 = 9 - 26$

1.2. Complete the number sentences, showing the working out. Remember to do what is shown in brackets first.

- | | | |
|----------------------------|----------------------------|----------------------------|
| 1. $70 + 30 =$ | 2. $30 + 70 =$ | 3. $100 - 30 =$ |
| 4. $400 + 100 =$ | 5. $500 - 100 =$ | 6. $500 - 400 =$ |
| 7. $(36 + 9) + 12 =$ | 8. $(9 + 12) + 36 =$ | 9. $(12 + 36) + 9 =$ |

QUESTION 2

There are 45 learners in the Grade 4 class who go to school by bus, 28 learners ride to school on bicycles and the rest of the learners' parents drop them off. If there are 100 learners in Grade 4, how many learners are dropped off by their parents?

- Write a number sentence to work this out:
- Now work out the answer showing all working.

QUESTION 3

Complete by filling in the missing numbers in the spaces provided.

- | | | | |
|-----------------------|----------------------|-----------------------|----------------------|
| 1. $60 + \dots = 90$ | 2. $45 - \dots = 20$ | 3. $\dots + 70 = 120$ | 4. $\dots - 20 = 65$ |
| 5. $100 - 23 = \dots$ | 6. $\dots + 58 = 63$ | 7. $78 - \dots = 58$ | 8. $40 + \dots = 96$ |

INTEGERS: ADDING AND SUBTRACTING

MENTAL MATHS



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Add 42 repeatedly to the numbers given:

- 45,;;;
- 104,;;;

Subtract 20 repeatedly from the numbers given:

- 830;;;
- 356;;;

QUESTION 1

Estimate the answers to the sums by first rounding off and then adding:

1.1. Round off to the nearest 10, and calculate

- | | |
|--|--|
| a. $351 + 729 \approx \dots + \dots = \dots$ | b. $438 + 191 \approx \dots + \dots = \dots$ |
| c. $753 - 449 \approx \dots - \dots = \dots$ | d. $663 - 488 \approx \dots - \dots = \dots$ |

1.2. Round off to the nearest 100, and calculate

a. $463 + 36 \approx \dots + \dots = \dots$

b. $527 + 85 \approx \dots + \dots = \dots$

c. $239 - 183 \approx \dots - \dots = \dots$

d. $46 - 29 \approx \dots - \dots = \dots$

1.3. During the cyclone, the rainfall in Mbombela was measured for a week. Here are the measurements: 115mm, 48mm, 37mm, 168mm and 93mm

a. Write a number sentence to work out the total rainfall for the week.

.....

b. Round the numbers off to the nearest 10 and then give an estimated rainfall for the week. Show all calculations.

QUESTION 2

Vocabulary and example



- Add by first breaking up the numbers into hundreds, tens and units or ones

$265 + 189 = 200 + 60 + 5 + 100 + 80 + 9$
 $= 200 + 100 + 60 + 80 + 5 + 9$

$200 + 100 =$	3	0	0
$60 + 80 =$	1	4	0
$5 + 9 =$		1	4
Total	4	5	4

2.1. Calculate by first breaking down the numbers.

a. $619 + 243 = \dots$
 $= \dots$

Total			

b. $766 - 254 = \dots$
 $= \dots$

Total			

2.2. Solve the following:

a. A big retailer, Checkers, bought 349 pallets of soap powder on Monday. On Tuesday, he bought a further 279 pallets. How many pallets of soap powder does he have now?

b. There is place for 845 people attending the soccer match on the pavilion. On Wednesday 246 tickets were sold and on Thursday 444 tickets were sold.

i. Calculate how many tickets were sold.

ii. Are there still open spaces on the pavilion?



.....
iii. Work out how many tickets are still available to sell.

QUESTION 3

The supermarket sells many packs of 5kg chicken pieces during the week. The table shows the sales recorded everyday during two weeks.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
WEEK 1	394	261	167	229	146
WEEK 2	456	382	791	188	194

Now use this information to answer these questions. Use any of the addition and subtraction methods given above.

1. How many packs of 5kg chicken pieces were sold on Wednesday and Thursday of Week 1?

2. How many more packs were sold on Monday of Week 2 than on Friday of Week 1?

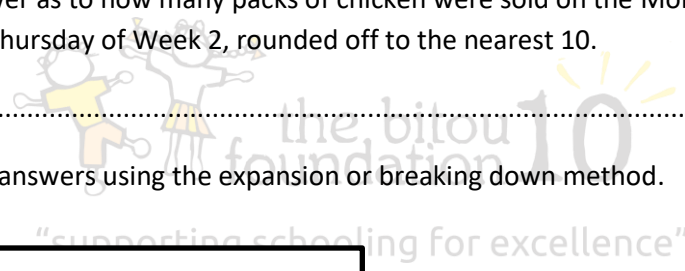
3. On which day, of which week, were the most packs sold?

4. Round the answer from number 3 off to the nearest 100.

5. Give an approximate answer as to how many packs of chicken were sold on the Monday of Week 1, rounded off to the nearest 100, and the Thursday of Week 2, rounded off to the nearest 10.

a. Round off.

b. Now add the rounded off answers using the expansion or breaking down method.



Total			

6. By rounding off to the nearest 100, estimate in which week the most packs were sold.

WEEK 1: Round off and add in 100's.

Total			

WEEK 2: Round off and add in 100's.

Total			

In which week, were the most packs of chicken sold?.....

