

INSTRUCTIONS FOR MATHEMATICS:

Mark your work with a green pen or pencil. Check every step and show corrections. Ask an adult or older sibling to check and sign your work.

Make sure you understand the work!

Date: 2020-04-20

A. Place value – Decompose / break up the following numbers:

Example: $249 = 200 + 40 + 9$

- a) $125 = 100 + 20 + 5$ b) $605 = 600 + 5$
c) $123 = 100 + 20 + 3$ d) $420 = 400 + 20$

B. Place value – Build up the following numbers:

Example: $500 + 20 + 3 = 523$

- a) $300 + 50 + 2 = 352$ b) $200 + 4 = 204$
c) $30 + 6 + 200 = 236$ d) $80 + 300 = 380$

C. Add up by using the breaking down method: (No carrying over)

a) $146 + 242 = \square$

$$\begin{aligned} & (100 + 200) + (40 + 40) + (6 + 2) \\ & = 300 + 80 + 8 \\ & = 388 \end{aligned}$$

b) $132 + 257 = \square$

$$\begin{aligned} & (100 + 200) + (30 + 50) + (2 + 7) \\ & = 300 + 80 + 9 \\ & = 389 \end{aligned}$$

c) $127 + 241 = \square$

$$\begin{aligned} & (100 + 200) + (20 + 40) + (7 + 1) \\ & = 300 + 60 + 8 \\ & = 368 \end{aligned}$$

MATHEMATICS GR 3

Date: 2020-04-21

A. Complete the next 3 numbers in the number pattern and give the rule that you applied:

- a) 233, 236, 239, 242, 245, 248 Rule: +3
- b) 623, 523, 423, 323, 223, 123 Rule: -100
- c) 132, 142, 152, 162, 172, 182 Rule: +10
- d) 425, 420, 415, 410, 405, 400 Rule: -5
- e) 227, 230, 233, 236, 239, 242 Rule: +3

B. Count in 25s from 25 to 200. Write the answers in your book.

25, 50, 75, 100, 125, 150, 175, 200

C. Subtract by using the breakdown method: (No borrowing)

a) $358 - 247 = \square$

$$\begin{array}{r} 300 + 50 + 8 * \\ - 200 + 40 + 7 \\ \hline 100 + 10 + 1 = 111 \end{array}$$

b) $284 - 122 = \square$

$$\begin{array}{r} 200 + 80 + 4 \\ - 100 + 20 + 2 \\ \hline 100 + 60 + 2 = 162 \end{array}$$

c) $396 - 215 = \square$

$$\begin{array}{r} 300 + 90 + 6 \\ - 200 + 10 + 5 \\ \hline 100 + 80 + 1 = 181 \end{array}$$

a) Rule - 4 : 124, 120, 116, 112, 108

c) Rule + 25 : 175, 200, 225, 250, 275

e) Rule Doubling : 2, 4, 8, 16, 32

a) $35 \rightarrow 70$

b) $42 \rightarrow 82$

c) $234 \rightarrow 468$

d) $45 \rightarrow 90$

a) $245 + 123 = \square$

b) $368 - 123 = \square$

c) $241 + 153 = \square$

d) $394 - 153 = \square$

$$\begin{array}{r} 300 + 90 + 4^* \\ - \underline{100 + 50 + 3} \\ 200 + 40 + 1 = \mathbf{241} \end{array}$$

Date: 2020-04-23

A. Work out using a breaking down method:

a) $154 + 134 = \square$

$$\begin{aligned} &= (100 + 100) + (50 + 30) + (4 + 4) \\ &= 200 + 80 + 8 \\ &= 288 \end{aligned}$$

b) $356 - 124 = \square$

$$\begin{aligned} &300 + 50 + 6^* \\ &- \underline{100 + 20 + 4} \\ &= 200 + 30 + 2 = 232 \end{aligned}$$

c) $367 - 247 = \square$

$$\begin{aligned} &300 + 60 + 7^* \\ &- \underline{200 + 40 + 7} \\ &= 100 + 20 + 0 = 120 \end{aligned}$$

Mental Maths (NO CALCULATORS!)

- ❖ Time yourself!
- ❖ Only write down the answers.

Layout: (You can use the width of your ruler to draw 4 columns)

a) 30	b) 24	c) 18	d) 99
e) 300	f) 4	g) 25	h) 18
i) 80	j) 4	k) 81	l) 73
m) 48	n) 35	o) R8	p) R35
q) 9	r) 59	s) 45	t) 40

Time : _____ minutes