

MATHEMATICS GR 3

Good morning Grade 3s!

Mark with a green pen or pencil. Show corrections.

Date: 2020-04-27

A. Complete in the pattern in your work book and learn off by heart:

Example: Count in 2s up to 24

E.g. 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24

a) 3, 6, 9, 12, 16, 18, 21, 24, 27, 30, 33, 36

b) 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48

c) 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60

d) 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72

e) 20, 40, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240

f) 25, 50, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300

B. Add up by using the breaking down method: (With carrying over units)

a) $156 + 216 = \square$

$$\begin{aligned} & \quad \quad \quad 12 \\ &= (100 + 200) + (50 + 10) + (6 + 6) \\ &= 300 + (60 + 10) + 2 \\ &= 300 + 70 + 2 \\ &= 372 \end{aligned}$$

b) $138 + 247 = \square$

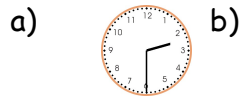
$$\begin{aligned} & \quad \quad \quad 15 \\ &= (100 + 200) + (30 + 40) + (8 + 7) \\ &= 300 + (70 + 10) + 5 \\ &= 300 + 80 + 5 \\ &= 385 \end{aligned}$$

c) $129 + 264 = \square$

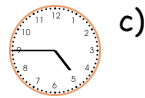
$$\begin{aligned} & \quad \quad \quad 13 \\ &= (100 + 200) + (20 + 60) + (9 + 4) \\ &= 300 + (80 + 10) + 3 \\ &= 300 + 90 + 3 \\ &= 393 \end{aligned}$$

Date: 2020-04-28

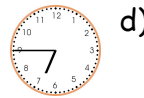
A. Read the time on each clock write the answers in your book:



half past 2



quarter to 5



quarter to 7



8 o'clock



quarter past 3



2 o'clock



quarter past 6



quarter past 10

B. Double the following numbers:

Example: $25 \rightarrow 50$ so 26 (Think $25 + 1$) $\rightarrow (50 + 2) 52$

- a) $15 \rightarrow 30$ b) $16 \rightarrow 32$ c) $17 \rightarrow 34$ d) $18 \rightarrow 36$ e) $19 \rightarrow 38$
f) $35 \rightarrow 70$ g) $36 \rightarrow 72$ h) $37 \rightarrow 74$ i) $38 \rightarrow 76$ j) $39 \rightarrow 78$

B. Add up by using the breaking down method: (With carrying over units)

a) $138 + 127 = \square$

$$\begin{aligned}
 &= (100 + 100) + (30 + 20) + (8 + 7) \\
 &= 200 + (50 + 10) + 5 \\
 &= 200 + 60 + 5 \\
 &= 265
 \end{aligned}$$

b) $244 + 119 = \square$

$$\begin{aligned}
 &= (200 + 100) + (40 + 10) + (4 + 9) \\
 &= 300 + (50 + 10) + 3 \\
 &= 300 + 60 + 3 \\
 &= 363
 \end{aligned}$$

c) $166 + 225 = \square$

$$\begin{aligned}
 &= (100 + 200) + (60 + 20) + (6 + 5) \\
 &= 300 + (80 + 10) + 1 \\
 &= 300 + 90 + 1 \\
 &= 391
 \end{aligned}$$

Date: 2020-04-29

A. Copy and write down the RULE that has been applied in each number pattern:

Example: 225, 220, 215, 210

Rule: - 5

a) 213, 209, 205, 201

Rule: - 4

b) 425, 450, 475, 500

Rule: + 25

c) 424, 430, 436, 442

Rule: + 6

d) 125, 225, 325, 425

Rule: + 100

e) 3, 4, 6, 9, 13, 18

Rule: +1, +2, +3, +4, +5

B. Add up by using the breaking down method: (With carrying over units)

a) $125 + 228 = \square$

$$\begin{aligned} &= (100 + 200) + (20 + 20) + (5 + 8) \\ &= 300 + (40 + 10) + 3 \\ &= 300 + 50 + 3 \\ &= 353 \end{aligned}$$

b) $146 + 129 = \square$

$$\begin{aligned} &= (100 + 100) + (40 + 20) + (6 + 9) \\ &= 200 + (60 + 10) + 5 \\ &= 200 + 70 + 5 \\ &= 275 \end{aligned}$$

c) $237 + 153 = \square$

$$\begin{aligned} &= (200 + 100) + (30 + 50) + (3 + 7) \\ &= 300 + (80 + 10) + 0 \\ &= 300 + 90 \\ &= 390 \end{aligned}$$

C. Work out using a breaking down method: Remember * work from right to left !

a) $385 - 123 = \square$

$$\begin{aligned} &= 300 + 80 + 5 * \\ &= 100 + 20 + 3 \\ &= 200 + 60 + 2 = 262 \end{aligned}$$

b) $348 - 226 = \square$

$$\begin{aligned} &= 300 + 40 + 8 * \\ &= 200 + 20 + 6 \\ &= 100 + 20 + 2 = 122 \end{aligned}$$

c) $261 - 151 = \square$

$$\begin{aligned} &= 200 + 60 + 1 * \\ &= 100 + 50 + 1 \\ &= 100 + 10 + 0 = 110 \end{aligned}$$

Date: 2020-04-30

Mental Maths (NO CALCULATORS!)

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

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

TEST

a) 24	b) 52	c) 32	d) R20,00
e) 700c	f) 6	g) 54	h) 7
i) 6	j) R6,00	k) 31	l) 51
m) 4	n) 36	o) 8	p) 266
q) 35	r) R10,00	s) 40	t) 1500c
A) 3	B) 26	C) 30	D) 21
E) 18	F) 12	G) 1150c	H) 42
I) R13	J) 48	K) 21	L) 9
M) 15	N) R7,50	O) 75	P) 45
Q) 36	R) 14	S) 72	T) 250

Time : _____ minutes