6) Binary addition

9 40 + 31

3 Binary subsaction

b/ 11010001- 01000111

8) Binary multiplication

$$\frac{2|20}{2|100}$$
 $\frac{2|5}{2|21}$
 $\frac{2|5}{2|21}$
 $\frac{2|5}{100}$

Pinany Division

a)
$$121/14$$
 $\frac{21/21}{2 \cdot 601}$
 $\frac{1}{2 \cdot 300}$
 $\frac{1}{2 \cdot 150}$
 $\frac{1}{2 \cdot 100}$
 $\frac{1}{2 \cdot 1$

Removed = (10) 2 = 2

12) "CODE/THS 2022" in 8 bits
AM,
OIDDOIL 0100111 01000100 01000101

0100011 0100111 01000100 01010011

0010000 00110010 00110000

13, (ABC7)16 to Bingry

14) (0.1001) = (?)10

0. | 0 0 |
$$\frac{2^{1}}{2^{1}} \frac{2^{1}}{2^{2}} \frac{2^{3}}{2^{3}} \frac{2^{4}}{2^{4}}$$
0. $(\frac{1}{2}x)^{4} (\frac{1}{4})^{40} + (\frac{1}{8}x_{0})^{4} + (\frac{1}{16}x_{1})^{4}$
0. $\frac{1}{2} + \frac{1}{16}$

$$(0,1001)_2 = (0.5625)_1$$

$$(1 \times 2^{\circ}) \cdot (1 \times 2^{\circ}) + (1 \times 2^{\circ}) +$$

$$0.1816X2 = 0.3632$$
 0

P. Decode 4D 41 54 48 40...66

75 6 E

40 41 54 48 40...66 75 6 E

M A T H & F u h

MATHOfun