FORM 1 MATHEMATICS CAT 1 MAKING SCHEME 2021

NAME---------------------------------------------------------------------ADM.NO------------------CLASS--------------

1.40000 1mk

2. a) 30816$÷$24 = 1284cartons 1mk

b) 1284$×$2=2568

c) Mass of 24 books=(12-2)=10kg

$\frac{30816×10}{24}$m1

$=12840kg$A1

3. Numerator

=8$÷2×9-4×6$

=4$×9-4×6$

=36-24

=12 M1

Denominator

=56$÷7×2$

=8$×2$

=16 M1

=12/16

=$\frac{3}{4}$ A1

4. 113400=2$×56700$

=2$×2×28350$

=2$×2×2×14175$

=2$×2×2×3×4725$

=2$×2×2×3×3×1575$ M1

=2$×2×2×3×3×3×525$

=$2×2×2×3×3×3×3×175$

=2$×2×2×3×3×3×3×5×5×7$

=$2^{2}×3^{4}×5^{2}×7$ A1

5. 0.36$×1000$=360g

0.504$×1000=504g√$

0.672$×1000=672g$

|  |  |
| --- | --- |
| 2 | 360 504 672 |
| 223 | 180 252 33690 126 16845 63 8415 21 28 |

M1

=24g

=$\frac{24}{1000}=0.024kg $A1

6. 181-5=176

236-5=231 1mk

|  |  |
| --- | --- |
| 11 | 176 231 |
|  | 16 21 |

 =11$√$

7.Number=$\frac{G.C.D×L.C.M}{Given Number}√$

a=60

b=150

c=$\frac{30×900}{60}=450√$

d=$\frac{30×900}{150}=180√$

8.a) (-7)+(-2)+(+6)

=-3

b) (-9)- (-12)

=-21

9. Man born 1966

Father born 1928

Mother born 1928+3=1931$√$

Daughter born 1992

Son 1992-5=1987$√$

1987-1931=56$√$

10. 97410

$$\frac{410}{8}=51rem2√$$

97410 is not divisible by 8 since the last three digits are not divisible by 8.$√$