

MARKING SCHEME

1. Fifty seven million, three hundred and forty six thousand and twenty five.

2. 500,000

3. 19, 15, 541

4. a) 215350

a) 150,000

5. 1, 3, 9, 27, 81, 243, 729

2

6. 1078, 1342, 4950

7. a) 5/6

b. $1\frac{1}{10}$

8. a. $12\frac{7}{12}$

b. $7\frac{3}{4}$

9. Round off to the nearest ten million.

a. 14,875,629 = 10,000,000

b. 27, 925312 = 30,000,000

10. $\frac{1}{2}$ base x height

= $\frac{1}{2}$ x 20x 12

= 120cm²

11. BODMAS

768 ÷ 24 × 43 + 579 – 415 = 1540 (Correct order of operations)

12. 84 benches @ carrying 140 people.
 $84 \times 140 = 11760$ people

13. Angle R = $180 - (100 + 50)$
 $= 180 - 150$
 $= 30^\circ$

14. $P = 2(L + W)$

$$216 \text{ cm} = 2(80 + w)$$

$$216 \text{ cm} = 160 + 2w$$

$$216 \text{ cm} - 160 \text{ cm} = 2w$$

$$56 = 2w$$

$$W = 56/2$$

$$W = 28 \text{ cm}$$

15. $3/3 - 2/3 = 1/3$

16. $(1 \frac{3}{5})^2 = 8/5 \times 8/5 = 64/25$
 $= 2 \frac{14}{25}$

17. Circumference = πd
 $= 22/7 \times 28$
 $= 88 \text{ cm}$

18. $A = \frac{1}{2} \text{ sum of // sides} \times \text{height}$
 $\frac{1}{2} (30 + 40) \times 20$
 $= \frac{1}{2} \times 70 \times 20$
 $= 700 \text{ cm}$

19. 2kg of rice @ 120 = 240
 3 bars soap @ 75 = 225
 4 pkts unga @ 100 = 400
 2 L cook oil @ 80 = 160
 Total = 1025

Gave 1200

Balance = $1200 - 1025$

= sh 175

20. $35y + 30k + 10y$
 $45y + 30k$

21. 240

22. $47/7$

