

# P.3 MID-TERM

$$\begin{array}{r} 60 \\ 70 \\ -25 \\ \hline 45 \end{array} \quad \begin{array}{l} 10-5=5 \\ 6-2=4 \end{array}$$

02. Forty-nine = 49.

03.  $\emptyset$  - empty set.  
 $\leftrightarrow$  - equivalent set.

04.  $36 = 30 + 6$   
 $\downarrow \quad \downarrow$   
 XXX VI  
 $36 = \text{XXXVI}$

05. 1 Pen costs sh. 500  
 4 similar pens cost (sh. 500  $\times$  4)  
 = sh. 2,000

06. 2, 5, 8, 11, 14, 17  
 $+3 \quad +3 \quad +3 \quad +3 \quad +3$

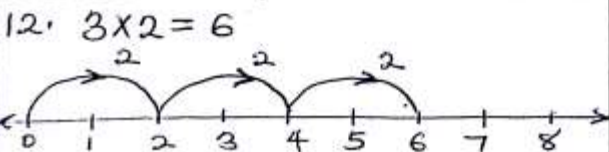
07. Unshaded =  $\frac{2}{3}$

08.  $\square - 6 = 9$   
 $\square - 6 + 6 = 9 + 6$   
 $\square = 15$

09.  $\begin{array}{r} 374 \\ \underline{4 \times 1 = 4} \\ \underline{7 \times 10 = 70} \\ \underline{3 \times 100 = 300} \\ 374 = 300 + 70 + 4 \end{array}$   
 $374 = (3 \times 100) + (7 \times 10) + (4 \times 1)$

10. Half past eight (8).

11.  $\frac{3}{5} - \frac{2}{5} = \frac{3-2}{5} = \frac{1}{5}$



13. a Fortnight  $>$  a week.  
 (14 days) (7 days)

XL  $<$  LX  
 40 60

14. 06 balls.  
 $\begin{array}{r} 4 \overline{) 24} \\ \underline{04} \\ 24 \\ \underline{24} \\ 00 \end{array}$  Each got 6 balls.  
 $0 \times 4 = 0$   
 $6 \times 4 = 24$

15. 3 tens + 6 ones  
 $(3 \times 10) + (6 \times 1)$   
 $30 + 6$   
 $36$

16.  $A = \{a, b, c, d, e\}$ ,  $B = \{a, e, i, o, u\}$   
 $A \cap B = \{a, e\}$

17. 1 picture = 3 balls.  
 6 pictures =  $(6 \times 3)$  balls.  
 = 18 balls.

18.  $12 - 5 = 7$  years.  
 Enock is 7 years.

19. cube.

20. 

M	cm
8	55
- 2	42
<u>6</u>	<u>13</u>

## SECTION B (60 MKS)

21.  $M = \{1, 2, 3, 4, 5\}$ ,  $N = \{0, 2, 4, 6\}$

a)  $M \cap N = \{2, 4\}$

b) 2 members.

c)  $M \cap N = \{2, 4\}$   
 $n(M \cap N) = 2$

i)  $M \cup N = \{1, 2, 3, 4, 5, 6, 0\}$   
 $n(M \cup N) = 7$

22a) Smallest - 203

b) Biggest - 320

c) Sum

$$\begin{array}{r} 203 \\ + 320 \\ \hline 523 \end{array}$$

d)

$$\begin{array}{r} 3 \overset{1}{2} 10 \\ - 203 \\ \hline 117 \end{array}$$

23 a)  $\frac{3}{7} + \frac{2}{7} = \frac{3+2}{7} = \frac{5}{7}$

ii)  $\frac{9}{15} - \frac{5}{15} = \frac{9-5}{15} = \frac{4}{15}$

b)  $\frac{1}{2} \times 20 \text{ books}$   
 $= 10 \text{ books}$

c)  $\frac{3}{4} = \text{three quarters}$

24 i)  $\begin{array}{r} 34 \\ + 26 \\ \hline 60 \end{array}$       $4+6=10$   
 $1+3+2=6$

ii)  $\begin{array}{r} 7 \overset{1}{2} 10 \\ - 55 \\ \hline 25 \end{array}$       $10-5=5$   
 $7-5=2$

b) Product

$$\begin{array}{r} 25 \\ \times 3 \\ \hline 75 \end{array}$$

$5 \times 3 = 15$   
 $2 \times 3 = 6 + 1$   
 $= 7$

c)  $18 \div 6 = 3 \text{ pens.}$      000000  
 Each got 3 pens.     111111

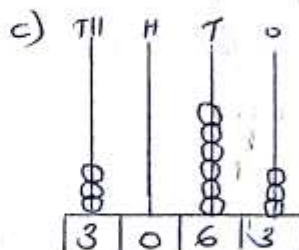
25 a) cuboid.

b) faces 6  
 vertices 8  
 edges 12

26 a)  $600 + 90 + 7$

$$\begin{array}{r} 600 \\ + 90 \\ + 7 \\ \hline 697 \end{array}$$

b)  $4,362$       $4 \times 1,000$   
 $4,000$



27 a)  $(20+5) \text{ kg} = 25 \text{ kg}$

b)  $\begin{array}{r} 25 \text{ kg} \\ + 20 \text{ kg} \\ \hline 45 \text{ kg} \end{array}$

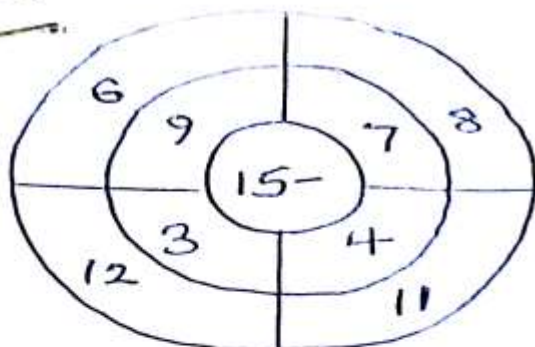
c) Ritah is 25 kg.  
 $25 = 20 + 5$   
 $\text{xx} \quad \text{v}$   
 $= \text{XXV kg}$

28 a) A cake.

b)  $\begin{array}{r} \text{Sh. } 300 \\ + \text{Sh. } 300 \\ + \text{Sh. } 300 \\ \hline \text{Sh. } 900 \end{array}$      or.  $\begin{array}{r} \text{Sh. } 300 \\ \times 3 \\ \hline \text{Sh. } 900 \end{array}$

c)  $\begin{array}{r} \text{Sh. } 500 \\ \text{Sh. } 500 \\ + \text{Sh. } 500 \\ \hline \text{Sh. } 1,500 \end{array}$      Remained  
 $\begin{array}{r} \text{Sh. } 2,000 \\ - \text{Sh. } 1,500 \\ \hline \text{Sh. } 0,500 \end{array}$

29.



$$\begin{aligned} 15-7 &= 8 \\ 15-3 &= 12 \\ 15-6 &= 9 \\ 15-11 &= 4 \end{aligned}$$

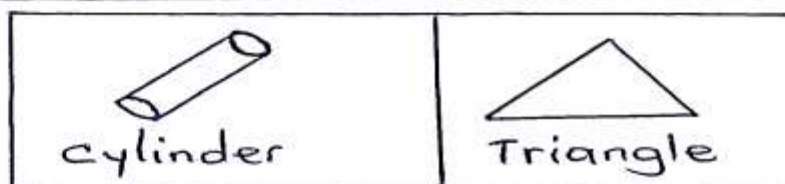
30 a) 126 = One hundred twenty-six.

b) 9th = ninth.

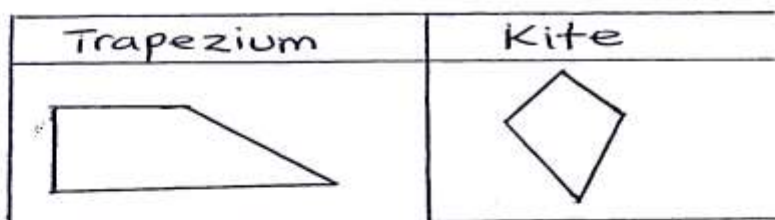
c)  $\frac{2}{3}$  = two thirds

d) 47 = Forty-seven.

31a



b)



32

a) 60 minutes ~~is~~<sup>are</sup> less than 2 hours.

b) 2 weeks ~~is~~<sup>are</sup> greater than 7 days.

c) 4 items ~~is~~<sup>are</sup> greater than a pair

= END =