

TEST 7

SECTION 1

1) $705298 = 5,000$

2) 71

3) $\frac{43}{7} = 6\frac{1}{7}$

4)
$$\begin{array}{r} 0.375 \\ + 37.000 \\ \hline 37.375 \end{array}$$

5) $575\text{cm} \div 100 = 5.75\text{m}$

6)
$$\begin{array}{r} 123 \\ - 81 \\ \hline 42 \end{array}$$

7) $6\frac{2}{5} + 3\frac{3}{10} = 6\frac{4}{10} + 3\frac{3}{10} = 9\frac{7}{10}$

8) $816 \div 8 = 102$

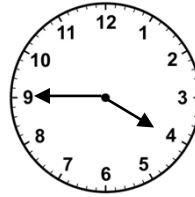
9) $675 \div 27 = 25$

10)
$$\begin{array}{r} 21 \\ 24 \overline{) 504} \end{array}$$

11)
$$\begin{array}{r} 2.5 \\ + 0.800 \\ \hline 3.300\text{km} \end{array}$$

12) $20^{\text{th}} + 10 \text{ days} = 30^{\text{th}} \text{ April}$
 $30^{\text{th}} + 10 \text{ days} = 10^{\text{th}} \text{ May}$

13)



14) Trapezium

15) $6 + 5 + 7 = 18 \text{ fruits}$

Apples = $\frac{6}{18} = \frac{1}{3}$ of the fruits

16) Triangular Based Pyramid

17) EF or GH

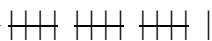
18) $80 + 64 + 88 + 78 + 82 + 88 = 480$

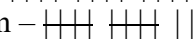
Mean = $480 \div 6 = 48$

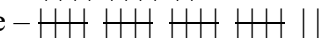
19) $8 \times 2 = 16$ students shown

$28 - 16 = 12$ students for Apple

$12 \div 2 =$  Apple

20) Popcorn -  |

Ice-Cream -  ||

Chocolate -  ||

SECTION 2

21) Total Spectators = 3,322

No. of Sections = 11

Spectators per Section = $3,322 \div 11 = 302$

22) Joey's Marbles = 64

$\frac{5}{8}$ Joey's marbles = $\frac{5}{8} \times \frac{64}{1} = 40$ marbles

40 marbles = $\frac{1}{2}$ Paul's marbles

$40 \times 2 = 80$ marbles (All Paul's marbles)

Total of Joey and Paul's marbles

= $64 + 80 = 144$ marbles

TEST 7

- 23) 51, 52, (53) 54, 55, 56, 57, 58, (59) 60,
(61) 62, 63, 64

$$\begin{array}{r} 59 \\ \times 61 \\ \hline 3540 \\ + \underline{59} \\ \hline 3599 \end{array}$$

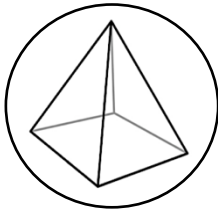
24) $7 + 11 + 3 + 9 = 30$ students

$$\begin{array}{r} 25) \text{ Lisa} - 20 + 10 \\ \text{Sue} - 10 \\ \text{Jane} - \end{array} \left. \vphantom{\begin{array}{r} 25) \text{ Lisa} \\ \text{Sue} \\ \text{Jane} \end{array}} \right\} 40 \begin{array}{l} / 30 + 40 = 70 \\ / 10 + 40 = 50 \\ / + 40 = 40 \end{array}$$

$$\begin{array}{r} 160 \\ - \underline{40} \\ \hline 120 \div 3 = 40 \text{ per girl} \end{array}$$

Lisa = 70 sweets

26)



27) Shirt = 0.75m
Jacket = 2.50m
8 Shirts = $0.75 \times 8 = 6\text{m}$
5 Jackets = $2.5 \times 5 = 12.5\text{m}$
Material needed = $6 + 12.5$
 $= 18.5 \approx 19\text{m}$

28) Four Right Angles = Square
Only Two Lines of Symmetry = Rhombus
Only One Pair of Parallel Sides = Trapezium

29) $24 \text{ Benches} \div 2 \text{ lengths in room}$
 $= 12 \text{ benches}$
Length of room = $12 \text{ benches} \times 2.5\text{m}$
 $= 30\text{m}$

30)

Colours	No. of Times	Points
Yellow	1 (1)	$5 + 5$
Black	1	10
White	2	30
Red	1 (1)	$20 + 20$
Total		90

7 throws – 5 throws = 2 throws
 $90 - 65 = 25$ points
Only 2 combinations to give a total of 25 points would be another Yellow and another Red.

31) Richard = 14 years
David = Richard + 16 years = $14 + 16$
 $= 30$ years
David = Susan + 8 years = 30 years
 \therefore Susan = $30 - 8 = 22$ years
Susan = Pam $\times 2 = 22$ years
 \therefore Pam = $22 \div 2 = 11$

32) Mean Height = 1.55m
Total Height = $1.55 \times 4 \text{ boys} = 6.2\text{m}$
Heights of 3 of the boys
 $= 1.6\text{m} + 1.35\text{m} + 1.75\text{m}$
 $= 1.6\text{m} + 1.35\text{m} + 1.75\text{m} = 4.7\text{m}$
Height of 4th Boy = $6.2\text{m} - 4.7\text{m} = 1.5\text{m}$

33) 1 tin peas = 250g
 $\therefore 5 \text{ tins peas} = 250\text{g} \times 5 = 1,250\text{g}$
 $= 1.25\text{kg}$

Weight of Watermelon
 $= 1.25\text{kg} - 2 \text{ tins peas}$
 $= 1.25\text{kg} - 0.5\text{kg} = 0.75\text{kg}$

TEST 7

34) Mother must divide the chocolates using the unequal dividing method:
-First subtract the 6 chocolates from the Total chocolates of 75 and give the 6 to the daughter ($75 - 6 = 69$ chocolates left). Now divide the 69 chocolates left by 3 Since there are 3 children who will get The chocolates ($69 \div 3 = 23$ chocolates to each child). Finally distribute 23 chocolates to each of the 3 children, add the extra 6 already given to the daughter to show her amount was 29 which is 6 more than each of her brother's amounts.

35) Weekly Salary = \$2,400
Food = $\frac{3}{8} \times \frac{2,400}{1} = \900
 \therefore Money spent on food for 4 weeks = $\$900 \times 4 = \$3,600.00$

36) Hourly Rate = \$40
Hours worked per day = 8 hrs
Hours worked per week = 8 hrs \times 5 days = 40 hours
Weekly Earnings = $\$40 \times 40\text{hrs} = \$1,600$
Earnings for 7 weeks = $\$1,600 \times 7$ weeks = \$11,200

37)
South-East

38) You take your last piece of information And work backwards doing the opposite operations:
 $28 \times 3 = 84$
 $84 + 1 = 85$
 $85 - 36 = 49$
 $\sqrt{49} = 7$

39) 1 Box = 36 Pencils
50 Boxes = $36 \times 50 = 1,800$
No. of students = 600
Amt. of pencils per students = $1800 \div 600 = 3$ pencils

40) Mean = 32 points
Total for 5 games = $32 \times 5 = 160$ pints
Total for 4 games = $26+34+29+31 = 120$
Fifth Score = $160 - 120 = 40$ points

SECTION 3

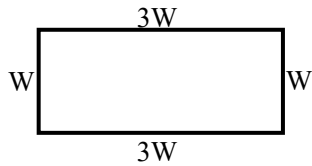
41) 2cm	4cm	8cm	16cm	32cm
Day 5	Day 7	Day 9	Day 11	Day 13

Day 11 = $32 \div 2 = 16\text{cm}$
Day 9 = $16 \div 2 = 8\text{cm}$
Day 7 = $8 \div 2 = 4\text{cm}$
Day 5 = $4 \div 2 = 2\text{cm}$

Day 5 = 2cm tall

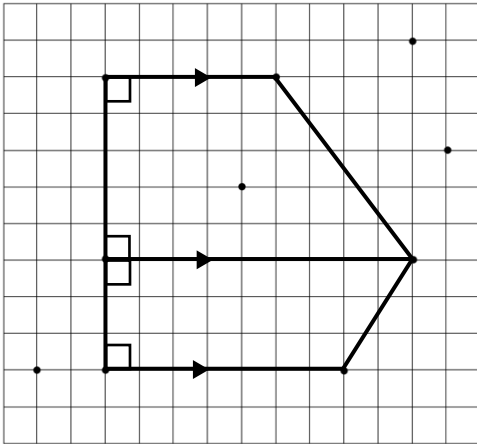
TEST 7

- 42) Perimeter of Equilateral Triangle
= $8\text{cm} \times 3 = 24\text{cm}$



Perimeter of Rectangle = $8W$
 $8W = 24\text{cm}$
 $W = 24 \div 8 = 3\text{cm}$
Length = $3 \times 3 = 9\text{cm}$
Width = 3cm
Area of Rectangle = $9 \times 3 = 27\text{cm}^2$

43)



- 44) $5 \text{ balls} + 3 \text{ bats} = \900.00
 $7 \text{ balls} + 3 \text{ bats} = \$1,020.00$
 $\therefore 2 \text{ balls} = \$1,020 - 900 = \$120$
 $1 \text{ ball} = \$60$

$5 \text{ balls} = \$60 \times 5 = \300
 $3 \text{ bats} = \$900 - \$300 = \$600$
 $1 \text{ bat} = \$600 \div 3 = \200

$6 \text{ balls} + 6 \text{ bats} = (6 \times \$60) + (6 \times \$200)$
 $= \$360 + \$1200 = \$1,560$

- 45) Mon. = 80 juices
Wed. = 100 juices
Thurs. = 120 juices
Fri. = 20 juices
Total = 320 juices

Tues = $410 - 320 = 90$ juices
Modal Thursday
Many children were absent on Friday.