

2 8 1 March 2011.

$\sqrt[3]{1000}; 172.$

$\sqrt{1000}; \sqrt{\frac{121}{81}}; 0,413;$

$72; -\frac{4}{3}; \frac{0}{70}$

$\pi; 0,463$

$\frac{16}{0}$

$172; \sqrt[3]{1000}; \frac{0}{70}$

$= 12; 24; 36; 48; 60...$

$= 15; 30; 45; 60...$

LCM = 60

$5 = 1; 3; 5; 9; 15; 45$

$3 = 1; 3; 7; 9; 21; 63$

HCF = 9

Q.3
3.1

2	3136
2	1568
2	784
2	392
2	196
2	98
7	49
7	7
	1

$\therefore 3136 = 2^6 \times 7^2$

32 $\sqrt{3136} = \sqrt{2^6 \times 7^2}$
 $= 2^3 \times 7$
 $= 56.$

Q.4

4.1 $x = 250$

4.2 $x = 5$

4.3 $x = -4$

4.4 $x = 256$

4.5 $x = 2.$

Q.5

$-5 + (-3)^2$
 $= -5 + 9$
 $= 4$

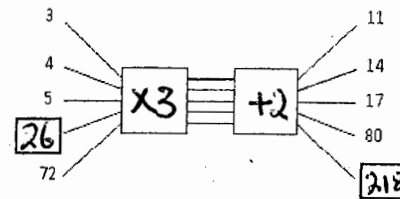
5.2 $8 - 2(2)^3 - 6 - (-4)$
 $= 8 - 2(8) - 6 + 4$
 $= 8 - 16 - 6 + 4$
 $= 2.$

5.3. $\left(\frac{4}{3}\right)^2 - \left(\frac{5}{3} - \frac{6}{5}\right) \div \left(\frac{7}{25}\right)$
 $= \frac{16}{9} - \left(\frac{25-18}{15}\right) \div \left(\frac{-7}{25}\right)$
 $= \frac{16}{9} - \frac{7}{15} \times \frac{25}{-7}$
 $= \frac{16}{9} + \frac{5}{3}$
 $= \frac{16+5}{9}$
 $= \frac{31}{9}$

Question 6

Complete the spidergram below:

6.1



6.2. $T_n = 3n + 2.$

Q.7.

7.1 $R7999 - R6599$
 $= R1400$

7.2. $\frac{1400}{7999}$
 $= 0,175...$
 $\approx 18\%.$

Q.8.

8.1 ADE/ADC

ABCD

8.2. AE || BD

CE ⊥ AD

8.3. $\overset{\wedge}{BDA}$

8.4 x

8.5 $304^\circ.$

Q.9

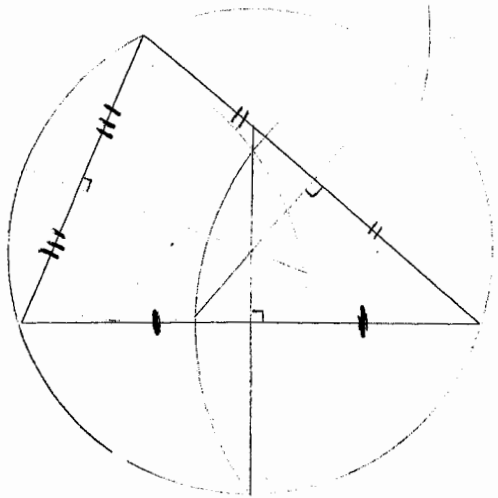
9.1 altitude

9.2 Incentre

9.3 median

9.4 Circumcircle.

Q 10



Q 11

