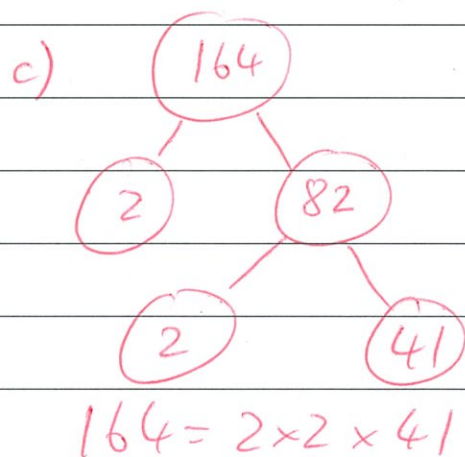
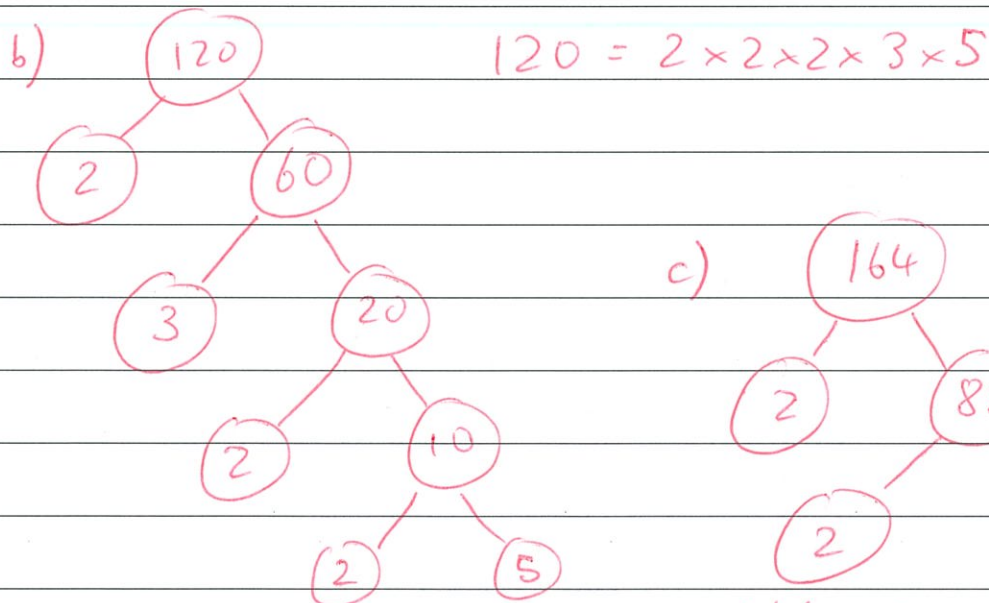
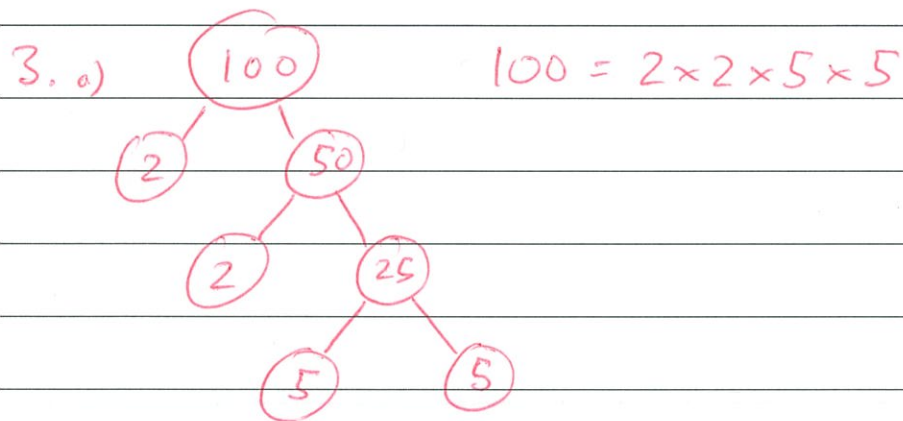


a) A factor of a number divides without remainder into that number.

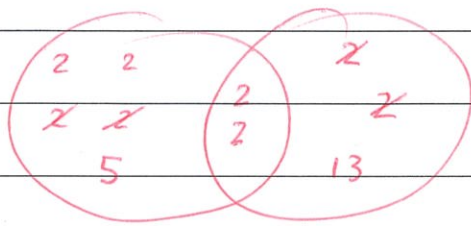
b) A prime number has only two factors, 1 and itself.

2. a)  $\{3, 17, 11, 2, 23\}$

b)  $\{67, 71, 73\}$

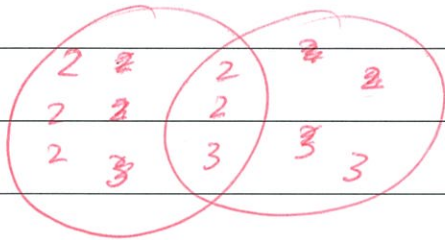


4. a) 80, 52 any working



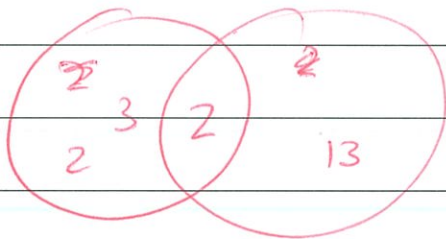
$$\text{HCF}(80, 52) = 4$$

b) 96, 36



$$\text{HCF}(96, 36) = 12$$

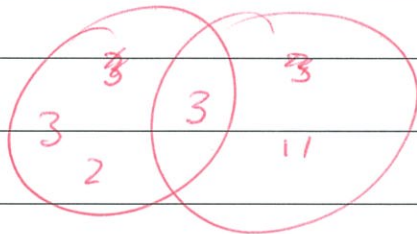
5. a) 12, 26



$$\text{LCM}(12, 26) = 12 \times 13$$

$$= 156$$

b) 18, 33



$$\text{LCM}(18, 33) = 3 \times 3 \times 2 \times 11$$

$$= 18 \times 11$$

$$= 198$$

6. a) 1, 144

2, 72

3, 48

4, 36

6, 24

8, 18

9, 16

12, 12

b) 1, 120

2, 60

3, 40

4, 30

5, 24

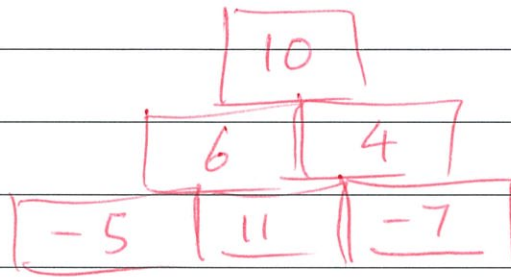
6, 20

8, 15

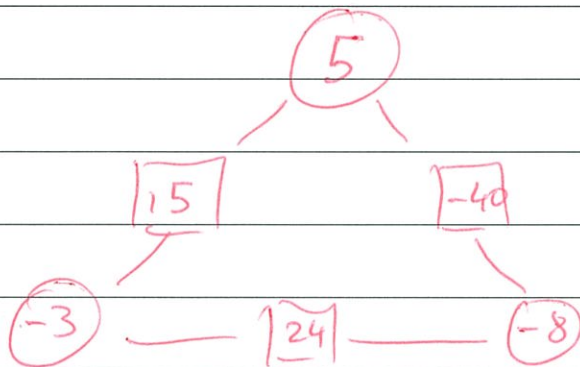
10, 12

7. a) -37      c) -17      e) -5  
 b) 12      d) 51      f) -32

8.



9.



10. a) 8      c)  $-2 \times (-4) = 8$   
 b)  $12 \div (6) = 2$       d)  $(34) \times 3 = 102$   
 e)  $3 \times 6 = 18$   
 f)  $16 \times 0.5 + 11 = 19$

11. a)  $\frac{46}{100} = \frac{23}{50}$       b)  $\frac{968}{1000} = \frac{121}{125}$  (Calc)

c)  $\frac{4}{9}$       d)  $\frac{8}{9}$

12. a)  $\frac{1}{32}$       b)  $\frac{1}{9}$       c)  $\frac{1}{125}$       d)  $\frac{1}{100}$

13. a)  $\sqrt{6}$       b)  $\sqrt{30}$

14. a) 6      b) 8      c) 9      d) 11