

**2013 BECE MATHEMATICS 1 SOLUTION**  
**MATHEMATICS 1**

1 D. {5, 10, 15, 20, 25, 125, 625}

2 C. 125%

3. A. 0.03, 0.3, 0.301, 0.33

4 B. 45

6 5 A. 0

7 C. 284

8 A.  $\frac{1}{12}$

9 D. 200 litres

10 A  $(4a^2 x)/3by$

11 D  $3x+2$

12 D. 3

13 C. 10 cm

14 C.  $d = \frac{n-3}{2}$

15 B  $\frac{2}{5}$

16 B.  $50^\circ$

17 C  $\frac{1}{2}$

18. B

19 A  $(x-3)(2y+7)$

20 B 14 cm

21 B. 4.69 km

22 C. 15 m

23 B  $-\frac{1}{3}$

24 A. 120

25 D

26 B.  $1.239 \times 10^3$

27 A  $x \leq -2$

28 C. 75

29 B. GH¢ 108.00

30 B. 250 cm

31 A  $\frac{2}{15}$

32 C. Constructing an angle of  $30^\circ$  at P

33 D  $\frac{11}{200}$

34 C. Shoe making

35 D. 875,000

36 B. GH¢ 93.60

37 D. 30 cm

38 C. GH¢ 75.00

39 B. 12

40 A. disjoint sets