# Numerical Estimation practice test answers

1) D = 55.37

Step 1 – Review the third figure after the decimal point

This is greater than 5 so the second figure after the decimal point needs to be rounded up

2) C = 9778

3) A = 2000

100 x 40/5000 = 2000

4) D = 300 square metres

20m x 15m = 300 square metres

5) B = 45.8

6) E = 40%

100 x 0.4/1 = 40%

7) A = £8.75

£50.00 x 17.5/100 = £8.75

8) C = 231

9) B = £810

Step 1 – Total budget calculation

9 x average utilities bill = 9 x £90 = £810

10) C = 200

500 x 40/100 = 200

11) E = 0.65

12) D = 50 miles per hour

Step 1 – Calculate the time taken

1100 hrs – 900 hrs represents 2 hours

Step 2 – Average speed calculation

Average speed = distance/time taken = 100 miles/2 hours = 50 mph

13) B = 15.684

Step 1 – Review 4th decimal place

4th decimal place is less than 5 so the third figure after the decimal point needs to be rounded down

14) C = 2/5

15) A = 50

16) E = 1/24

1/3 x 1/8 = 1/ (3x8) = 1/24

17) C = 0.7

70/100 = 0.7

18) D = 1/10

19) C = 32,800

20) A = 38 hours

Step 1 – Calculate the hours during the week

7 x 5 =35 hours

Step 2 - Add weekend hours

Total hours = 35 + 3 = 38 hours