

Upper and Lower Bounds *fluency*



Write the lower bound and the upper bound

1 7.3, 1 dp

2 40, nearest 10

3 2.65, 2 dp

4 600, nearest 100

5 18, nearest 1

6 0.4, 1 dp



a and b are rounded as shown. Find the lower and upper bounds of $a + b$.

7 $a = 4.2$, $b = 3.7$, 1 dp

8 $a = 12$, $b = 9$, nearest 1

9 $a = 60$, $b = 30$, nearest 10

10 $a = 2.5$, $b = 1.25$, nearest 0.05

11 $a = 150$, $b = 80$, nearest 10

12 $a = 8.3$, $b = 0.6$, 1 dp



Find the lower and upper bounds of $a - b$

13 $a = 9.4$, $b = 3.2$, 1 dp

14 $a = 20$, $b = 7$, nearest 1

15 $a = 70$, $b = 40$, nearest 10

16 $a = 5.06$, $b = 2.31$, 2 dp

17 $a = 300$, $b = 150$, nearest 50

18 $a = 1.8$, $b = 0.9$, 1 dp



Find the lower and upper bounds of $a \times b$

19 $a = 4$, $b = 6$, nearest 1

20 $a = 2.5$, $b = 3.5$, 1 dp

21 $a = 20$, $b = 30$, nearest 10

22 $a = 1.2$, $b = 0.5$, 1 dp

23 $a = 15$, $b = 8$, nearest 1

24 $a = 0.3$, $b = 0.7$, 1 dp



Find the lower and upper bounds of $a \div b$ to 3 significant figures

25 $a = 12$, $b = 5$, nearest 1

26 $a = 8.4$, $b = 2.1$, 1 dp

27 $a = 50$, $b = 20$, nearest 10

28 $a = 3.6$, $b = 1.2$, 1 dp

29 $a = 100$, $b = 8$, nearest 1

30 $a = 7$, $b = 0.4$, 1 dp