

UNIT 2 Arithmetic: Place Value

Mental Tests

M 2.1 Standard Route (*no calculator*)

1. Write 22 to the nearest 10. (20)
2. Write 78 to the nearest 10. (80)
3. Write 108 to the nearest 100. (100)
4. Write 395 to the nearest 100. (400)
5. Write 45 to the nearest 10. (50)
6. Write down five thousand in figures. (5000)
7. Which number is bigger, 0.6 or 0.51? (0.6)
8. Write down two thousand five hundred in figures. (2500)
9. Write down sixth tenths in figures as a decimal. (0.6)
10. What does the 6 represent in 1627? (6 hundreds or 600)

M 2.2 Standard Route (*no calculator*)

1. Write 43 to the nearest 10. (40)
2. Write 37 to the nearest 10. (40)
3. Write 151 to the nearest 100. (200)
4. Write 449 to the nearest 100. (400)
5. Write 95 to the nearest 10. (100)
6. Write down one thousand five hundred in figures. (1500)
7. Which number is bigger, 0.59 or 0.7? (0.7)
8. Write down three thousand and twenty in figures. (3020)
9. Write down one and four tenths in figures as a decimal. (1.4)
10. What does the 5 represent in 1254? (5 tens or 50)

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M 2.3 Academic Route *(no calculator)*

1. Write 26 to the nearest 10. (30)
2. Write 745 to the nearest 100. (700)
3. Which of these numbers is biggest: 0.6 and 0.52? (0.6)
4. To the nearest 10, there were 40 children on a bus.
What is the smallest possible number of children that were on the bus? (35)
5. What does the 6 represent in 0.6? (6 tenths)
6. Write down 5 million in figures. (5 000 000)
7. Karen says her lounge is 22 m long. Is she likely to be correct? (No)
8. Write 0.321 correct to one decimal place. (0.3)
9. Write these numbers in order of increasing size:
0.501, 0.321, 0.42. (0.321, 0.42, 0.501)
10. Write down four tenths in figures as a decimal. (0.4)

M 2.4 Express Route *(no calculator)*

1. Write 4672 to the nearest 1000. (5000)
2. Write 4753 to the nearest 100. (4800)
3. Correct to the nearest 1000, there were 38 000 spectators at a football match.
What was the largest possible number of spectators at the match? (38 499)
4. What does the 7 represent in 0.567? (7 thousandths)
5. Write down three hundred and eight thousand in figures. (308 000)
6. Write down sixty two million in figures. (62 000 000)
7. Write 0.4695 correct to 3 decimal places. (0.470)
8. Write 0.41732 correct to 2 decimal places. (0.42)
9. Write down 48 hundredths in figures as a decimal. (0.48)
10. John estimates that the length of a woodlice is 428 mm. Is he likely to be correct? (No)