

UNIT 4 Arithmetic: Addition and Subtraction of Decimals

Mental Tests

M 4.1 Standard Route *(no calculator)*

1. $7 + 8$ (15)
2. $12 + 9$ (21)
3. $9 - 4$ (5)
4. $26 - 3$ (23)
5. $13 - 7$ (6)
6. What is the sum of 6, 5 and 12 ? (23)
7. What is the difference between 23 and 47 ? (24)
8. Tom has 27 CDs. Ann has 12 fewer CDs than Tom.
How many CDs does Ann have? (15)
9. There are two Year 7 classes in the school. One class has 26 pupils and the other 28. How many pupils are in Year 7 in total? (54)
10. There were 17 people on a bus. At one stop, 12 people got off and another 5 got on. How many people are now on the bus? (10)

M 4.2 Standard Route *(no calculator)*

1. $5 + 9$ (14)
2. $13 + 8$ (21)
3. $8 - 5$ (3)
4. $17 - 4$ (13)
5. $25 - 8$ (17)
6. What is the sum of 7, 5 and 13 ? (25)
7. What is the difference between 32 and 57 ? (25)
8. Jane has 22 videos. Peter has 9 fewer videos.
How many videos does Peter have? (13)
9. There are two Year 7 classes in the school. One class has 27 pupils and the other 29. How many pupils are in Year 7 in total? (56)
10. There were 24 people on a bus. At one stop, 8 people got off and another 13 got on. How many people are now on the bus? (29)

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M 4.3 Academic/Express Route (*no calculator*)

1. There are three Year 7 classes in a school. The number of pupils in each class are 25, 26 and 24. How many pupils are in Year 7? (75)
2. $0.4 + 0.5$ (0.9)
3. $1.2 + 0.9$ (2.1)
4. $2.61 + 1.72$ (4.33)
5. $6.8 - 3.2$ (3.6)
6. $3.2 - 1.5$ (1.7)
7. You buy a packet of crisps, price 36p, with a £1 coin. How much change do you get? (64p)
8. A ticket for a train journey costs £3.46. How much change do you get when you pay for it with a £10 note? (£6.54)
9. A plank of wood of length 1.85 m is cut from a 4 m length of wood. What length is left over? (2.15 m)
10. A plant grows from 1.23 m to 1.41 m in one month. How many cm has it grown in the month? (18 cm)

M 4.4 Academic/Express Route (*no calculator*)

1. There are three Year 7 classes in a school. The number of pupils in each class are 27, 26 and 23. How many pupils are in Year 7? (76)
2. $0.3 + 0.4$ (0.7)
3. $0.8 + 2.5$ (3.3)
4. $1.37 + 2.12$ (3.49)
5. $5.4 - 3.1$ (2.3)
6. $4.6 - 2.8$ (1.8)
7. You buy a packet of crisps, price 27p, with a £1 coin. How much change do you get? (73p)
8. A ticket for a train journey costs £4.72. How much change do you get when you pay for it with a £10 note? (£5.28)
9. A plank of wood of length 1.65 m is cut from a 3 m length of wood. What length is left over? (1.35 m)
10. A plant grows from 1.37 m to 1.53 m in one month. How many cm has it grown in the month? (16 cm)