

UNIT 4 Rounding and Estimating

Mental Tests

M 4.1 Standard Route *(no calculator)*

Calculate:

1. (a) $18 + 7$ (25)
(b) $28 - 15$ (13)
(c) 4×9 (36)
(d) 8×6 (48)
(e) $0.2 + 1.3$ (1.5)
 2. Round 3.45 to 1 decimal place. (3.5)
 3. Round 4.65 to 1 decimal place. (4.7)
 4. Round 463 to 1 significant figure. (500)
 5. A box of matches costs 6p. What is the total cost of 20 boxes of matches? (£1.20)
 6. A packet of sweets costs 22p. How much do 3 packets cost altogether? (66p)
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M 4.2 Academic Route *(no calculator)*

Calculate:

1. (a) $44 - 29$ (15)
(b) $66 + 18$ (84)
(c) 8×9 (72)
(d) $4.7 + 0.22$ (4.92)
(e) $3.6 - 0.01$ (3.59)
 2. Round 4.65 to 1 decimal place. (4.7)
 3. Round 1475 to 2 significant figures. (1500)
 4. Round 0.089 to 1 significant figure. (0.09)
 5. A packet of crisps costs 21p. What is the total cost of 5 packets of crisps? (£1.05)
 6. A fairground ride costs 60p a ride. How many rides can you have for £3 ? (5)
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M 4.3 Express Route *(no calculator)*

Calculate:

1. (a) $104 - 87$ (17)
(b) $94 + 69$ (163)
(c) 0.8×0.9 (0.72)
(d) $4.5 - 0.02$ (4.48)
(e) 1.2×0.4 (0.48)
 2. Round 0.0047 to 1 significant figure. (0.005)
 3. Round 1.945 to 1 significant figure. (2)
 4. Round 0.0967 to 2 decimal places. (0.10)
 5. Estimate the cost of 1147 tickets that cost £2.25 each. (£2500)
 6. Estimate how many bars of chocolate costing 42p each can be bought with £10. (25)
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