

Bronze

**1a.** Various possible answers, for example:  $0.3 + 0.1 + 0.6 = 1$ ,  $0.3 + 0.2 + 0.5 = 1$ ,  $0.3 + 0.3 + 0.4 = 1$

**2a.** Toby is not correct. He has made 1.1 because he has forgotten to include the 0.1. He needs to add 0.6 instead.

**3a.** Two toy cars are 0.8m long so they will fit on the bridge with 0.2m of space left over.

**1b.** Various possible answers, for example:  $0.1 + 0.4 + 0.5 = 1$ ,  $0.2 + 0.4 + 0.4 = 1$ ,  $0.3 + 0.4 + 0.3 = 1$

**2b.** Mary is incorrect. She has made 1.2 because she has forgotten to include the other 0.2. She needs to add 0.6 instead.

**3b.** Three glasses of water are 0.9l so the bottle will fill the glasses with 0.1l of water left over.

Silver

**4a.** Various possible answers, for example:  $0.51 + 0.49 = 1$ ,  $0.52 + 0.48 = 1$ ,  $0.53 + 0.47 = 1$ ,  $0.54 + 0.46 = 1$ ,  $0.55 + 0.45 = 1$ ,  $0.56 + 0.44 = 1$ ,  $0.57 + 0.43 = 1$ ,  $0.58 + 0.42 = 1$ ,  $0.59 + 0.41 = 1$

**5a.** Josh is not correct. He has made 1.1 because he has forgotten that his hundredths will make an extra tenth. He needs to add 0.83 instead.

**6a.** Two place mats are 0.64m long so they will fit on the table with 0.36m of space left over.

**4b.** Various possible answers, for example:  $0.03 + 0.97 = 1$ ,  $0.13 + 0.87 = 1$ ,  $0.23 + 0.77 = 1$ ,  $0.33 + 0.67 = 1$ ,  $0.43 + 0.57 = 1$ ,  $0.53 + 0.47 = 1$ ,  $0.63 + 0.37 = 1$ ,  $0.73 + 0.27 = 1$ ,  $0.83 + 0.17 = 1$ ,  $0.93 + 0.07 = 1$

**5b.** Gemma is not correct. She has made 0.99 because her hundredths only add up to 0.09. She needs to add 0.85 instead.

**6b.** Two cupcakes cost £0.96 so Amir can buy them with £0.04 left over.

Gold

**7a.** Various possible answers, for example:  $0.31 + 0.42 + 0.27$ ,  $0.32 + 0.43 + 0.25$ ,  $0.33 + 0.44 + 0.23$ ,  $0.34 + 0.45 + 0.21$ ,  $0.31 + 0.41 + 0.28$ ,  $0.32 + 0.42 + 0.26$ ,  $0.33 + 0.43 + 0.24$ , accept any solution where the hundredths digits add up to 1 tenth.

**8a.** Owen is not correct. He has made 1.1 because he has forgotten that his hundredths will make an extra tenth. He needs to add 0.41 instead.

**9a.** Three bowls need 0.87kg of flour so there is enough flour in the bag with 0.13kg left over.

**7b.** Various possible answers, for example:  $0.15 + 0.11 + 0.74$ ,  $0.15 + 0.21 + 0.64$ ,  $0.25 + 0.31 + 0.44$ ,  $0.35 + 0.41 + 0.24$ ,  $0.45 + 0.51 + 0.04$ ,  $0.25 + 0.21 + 0.54$ ,  $0.35 + 0.31 + 0.34$ , accept any solution where the tenths digits add up to 9 tenths.

**8b.** Asha is not correct. She has made 1.99 because her hundredths only add up to 0.09. She needs to add 0.32 instead.

**9b.** Three packs of sweets cost £1.68 so Rob can buy them with £0.32 left over.