2.81 Scaling Recipes and Quantities by Ratio: 2-hour Pack

Total Marks

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 120 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A recipe for muffin mix serves 10 people and uses 100 g of sugar. Aisha wants to make it for 2 people. How much sugar is needed?

- ☐ A) 20 g
- ☐ B) 200 g
- ☐ C) 21 g
- ☐ D) 500 g
- ☐ E) 92 g

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2 Anya mixes compost using soil and sand in the ratio 5:7. Anya uses 55 kg of soil. How much sand does Anya use?

- ☐ A) 57 kg
- ☐ B) 76 kg
- ☐ C) 385 kg
- ☐ D) 77 kg
- ☐ E) 132 kg

---

3 A recipe for biscuit dough serves 2 people and uses 20 g of butter. Sienna wants to make it for 20 people. How much butter is needed?

- ☐ A) 38 g
- ☐ B) 201 g
- ☐ C) 10 g
- ☐ D) 400 g
- ☐ E) 200 g

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4 Esme mixes squash using juice and water in the ratio 3:7. Esme uses 36 ml of juice. How much squash does Esme make altogether?

- [ ] A) 121 ml
- [ ] B) 84 ml
- [ ] C) 120 ml
- [ ] D) 40 ml
- [ ] E) 252 ml

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5 A recipe for scone mix serves 5 people. It uses 150 g of self-raising flour and 95 g of sugar. Fatima makes it for 7 people. What is the total mass of self-raising flour and sugar needed?

- [ ] A) 344 g
- [ ] B) 343 g
- [ ] C) 305 g
- [ ] D) 283 g
- [ ] E) 1,715 g

---

6 Sana mixes a smoothie using banana and yogurt in the ratio 6:1. Sana uses 30 g of banana. How much yogurt does Sana use?

- [ ] A) 6 g
- [ ] B) 30 g
- [ ] C) 5 g
- [ ] D) 25 g
- [ ] E) 180 g

---

7 A recipe for flapjack mix serves 5 people and uses 50 g of oats. Isla wants to make it for 30 people. How much oats is needed?

- [ ] A) 75 g
- [ ] B) 300 g
- [ ] C) 299 g
- [ ] D) 1,500 g
- [ ] E) 1,250 g

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8 Declan mixes a trail mix using nuts and raisins in the ratio 3:4. Declan uses 9 g of nuts. How much raisins does Declan use?

- [ ] A) 13 g
- [ ] B) 36 g
- [ ] C) 11 g
- [ ] D) 10 g
- [ ] E) 12 g

---

9 A recipe for flapjack mix serves 4 people. It uses 160 g of oats and 128 g of sugar. Leo makes it for 20 people. What is the total mass of oats and sugar needed?

- [ ] A) 1,441 g
- [ ] B) 800 g
- [ ] C) 5,760 g
- [ ] D) 1,440 g
- [ ] E) 928 g

---

10 Ffion mixes a smoothie using banana and yogurt in the ratio 6:5. Ffion uses 12 g of banana. How much a smoothie does Ffion make altogether?

- [ ] A) 22 g
- [ ] B) 11 g
- [ ] C) 2 g
- [ ] D) 10 g
- [ ] E) 60 g

---

11 A recipe for scone mix serves 2 people and uses 40 g of self-raising flour. Zainab wants to make it for 18 people. How much self-raising flour is needed?

- [ ] A) 56 g
- [ ] B) 360 g
- [ ] C) 359 g
- [ ] D) 361 g
- [ ] E) 720 g

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12 Isla mixes paint using red and white in the ratio 4:3. Isla uses 36 ml of red. How much paint does Isla make altogether?

- [ ] A) 108 ml
- [ ] B) 35 ml
- [ ] C) 63 ml
- [ ] D) 9 ml
- [ ] E) 62 ml

---

13 A recipe for scone mix serves 10 people and uses 200 g of self-raising flour. Ben wants to make it for 20 people. How much self-raising flour is needed?

- [ ] A) 210 g
- [ ] B) 401 g
- [ ] C) 20 g
- [ ] D) 400 g
- [ ] E) 4,000 g

---

14 Esme mixes paint using red and white in the ratio 5:2. Esme uses 25 ml of red. How much paint does Esme make altogether?

- [ ] A) 10 ml
- [ ] B) 50 ml
- [ ] C) 5 ml
- [ ] D) 22 ml
- [ ] E) 35 ml

---

15 Esme mixes a trail mix using nuts and raisins in the ratio 6:1. Esme uses 72 g of nuts. How much a trail mix does Esme make altogether?

- [ ] A) 60 g
- [ ] B) 83 g
- [ ] C) 72 g
- [ ] D) 67 g
- [ ] E) 84 g

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16 A recipe for lemonade serves 4 people and uses 40 ml of water. Chloe wants to make it for 20 people. How much water is needed?

- [ ] A) 640 ml
- [ ] B) 199 ml
- [ ] C) 200 ml
- [ ] D) 56 ml
- [ ] E) 800 ml

---

17 Lily mixes a smoothie using banana and yogurt in the ratio 5:1. Lily uses 50 g of banana. How much yogurt does Lily use?

- [ ] A) 50 g
- [ ] B) 46 g
- [ ] C) 40 g
- [ ] D) 10 g
- [ ] E) 250 g

---

18 A recipe for scone mix serves 6 people. It uses 240 g of self-raising flour and 366 g of sugar. Anya makes it for 26 people. What is the total mass of self-raising flour and sugar needed?

- [ ] A) 2,625 g
- [ ] B) 2,626 g
- [ ] C) 1,826 g
- [ ] D) 2,627 g
- [ ] E) 1,406 g

---

19 A recipe for pasta sauce serves 10 people and uses 200 g of chopped tomatoes. Rhys wants to make it for 21 people. How much chopped tomatoes is needed?

- [ ] A) 420 g
- [ ] B) 421 g
- [ ] C) 20 g
- [ ] D) 211 g
- [ ] E) 4,200 g

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20 Poppy mixes squash using juice and water in the ratio 5:3. Poppy uses 20 ml of juice. How much water does Poppy use?

- [ ] A) 13 ml
- [ ] B) 12 ml
- [ ] C) 11 ml
- [ ] D) 60 ml
- [ ] E) 18 ml

---

21 A recipe for fruit punch serves 4 people and uses 40 ml of orange juice. Fatima wants to make it for 2 people. How much orange juice is needed?

- [ ] A) 10 ml
- [ ] B) 80 ml
- [ ] C) -80 ml
- [ ] D) 20 ml
- [ ] E) 38 ml

---

22 A recipe for biscuit dough serves 10 people and uses 100 g of butter. Chloe wants to make it for 20 people. How much butter is needed?

- [ ] A) 1,000 g
- [ ] B) 10 g
- [ ] C) 2,000 g
- [ ] D) 110 g
- [ ] E) 200 g

---

23 Aisha mixes a smoothie using banana and yogurt in the ratio 1:8. Aisha uses 3 g of banana. How much a smoothie does Aisha make altogether?

- [ ] A) 27 g
- [ ] B) 28 g
- [ ] C) 24 g
- [ ] D) 26 g
- [ ] E) 10 g

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24 A recipe for pancake batter serves 12 people. It uses 120 g of flour and 204 g of sugar. Niamh makes it for 24 people. What is the total mass of flour and sugar needed?

- ☐ A) 444 g
- ☐ B) 647 g
- ☐ C) 648 g
- ☐ D) 528 g
- ☐ E) 649 g

---

25 Jack mixes compost using soil and sand in the ratio 5:7. Jack uses 55 kg of soil. How much compost does Jack make altogether?

- ☐ A) 133 kg
- ☐ B) 385 kg
- ☐ C) 132 kg
- ☐ D) 57 kg
- ☐ E) 77 kg

---

26 A recipe for rice pudding serves 5 people and uses 250 ml of milk. Isla wants to make it for 25 people. How much milk is needed?

- ☐ A) 1,250 ml
- ☐ B) 50 ml
- ☐ C) 270 ml
- ☐ D) 6,250 ml
- ☐ E) 1,251 ml

---

27 Sana mixes concrete using cement and sand in the ratio 5:3. Sana uses 15 kg of cement. How much sand does Sana use?

- ☐ A) 45 kg
- ☐ B) 9 kg
- ☐ C) 8 kg
- ☐ D) 25 kg
- ☐ E) 13 kg

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28 Anya mixes paint using red and white in the ratio 5:7. Anya uses 50 ml of red. How much more white than red does Anya use?

- [ ] A) 120 ml
- [ ] B) 52 ml
- [ ] C) 21 ml
- [ ] D) 20 ml
- [ ] E) 350 ml

---

29 Aisha mixes paint using red and white in the ratio 4:1. Aisha uses 16 ml of red. How much white does Aisha use?

- [ ] A) 12 ml
- [ ] B) 16 ml
- [ ] C) 13 ml
- [ ] D) 64 ml
- [ ] E) 4 ml

---

30 A recipe for fruit punch serves 2 people and uses 100 ml of orange juice. Oliver wants to make it for 30 people. How much orange juice is needed?

- [ ] A) 128 ml
- [ ] B) 1,501 ml
- [ ] C) 2,800 ml
- [ ] D) 1,500 ml
- [ ] E) 3,000 ml

---

31 Mei mixes compost using soil and sand in the ratio 4:5. Mei uses 28 kg of soil. How much sand does Mei use?

- [ ] A) 63 kg
- [ ] B) 29 kg
- [ ] C) 35 kg
- [ ] D) 140 kg
- [ ] E) 34 kg

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32 A recipe for muffin mix serves 10 people and uses 200 g of sugar. Grace wants to make it for 2 people. How much sugar is needed?

- [ ] A) 192 g
- [ ] B) 40 g
- [ ] C) -1,600 g
- [ ] D) 1,000 g
- [ ] E) 400 g

---

33 Oliver mixes a trail mix using nuts and raisins in the ratio 5:8. Oliver uses 30 g of nuts. How much more raisins than nuts does Oliver use?

- [ ] A) 18 g
- [ ] B) 240 g
- [ ] C) 19 g
- [ ] D) 17 g
- [ ] E) 33 g

---

34 A recipe for lemonade serves 4 people and uses 120 ml of water. Imogen wants to make it for 19 people. How much water is needed?

- [ ] A) 2,280 ml
- [ ] B) 135 ml
- [ ] C) 571 ml
- [ ] D) 30 ml
- [ ] E) 570 ml

---

35 Kwame mixes concrete using cement and sand in the ratio 4:7. Kwame uses 24 kg of cement. How much sand does Kwame use?

- [ ] A) 18 kg
- [ ] B) 27 kg
- [ ] C) 66 kg
- [ ] D) 168 kg
- [ ] E) 42 kg

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36 Jack mixes paint using red and white in the ratio 1:5. Jack uses 5 ml of red. How much white does Jack use?

- [ ] A) 30 ml
- [ ] B) 25 ml
- [ ] C) 26 ml
- [ ] D) 5 ml
- [ ] E) 9 ml

---

37 A recipe for soup serves 4 people and uses 40 ml of stock. Kwame wants to make it for 8 people. How much stock is needed?

- [ ] A) 80 ml
- [ ] B) 44 ml
- [ ] C) 320 ml
- [ ] D) 79 ml
- [ ] E) 20 ml

---

38 A recipe for scone mix serves 8 people and uses 200 g of self-raising flour. Fatima wants to make it for 24 people. How much self-raising flour is needed?

- [ ] A) 3,200 g
- [ ] B) 599 g
- [ ] C) 600 g
- [ ] D) 216 g
- [ ] E) 4,800 g

---

39 Ewan mixes squash using juice and water in the ratio 7:1. Ewan uses 84 ml of juice. How much water does Ewan use?

- [ ] A) 72 ml
- [ ] B) 13 ml
- [ ] C) 78 ml
- [ ] D) 12 ml
- [ ] E) 84 ml

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40 A recipe for flapjack mix serves 2 people and uses 50 g of oats. Zainab wants to make it for 26 people. How much oats is needed?

- [ ] A) 1,300 g
- [ ] B) 74 g
- [ ] C) 651 g
- [ ] D) 25 g
- [ ] E) 650 g

---

41 Noah mixes a smoothie using banana and yogurt in the ratio 5:2. Noah uses 20 g of banana. How much yogurt does Noah use?

- [ ] A) 17 g
- [ ] B) 9 g
- [ ] C) 4 g
- [ ] D) 8 g
- [ ] E) 40 g

---

42 A recipe for lemonade serves 2 people and uses 100 ml of water. Tom wants to make it for 16 people. How much water is needed?

- [ ] A) 801 ml
- [ ] B) 1,600 ml
- [ ] C) 800 ml
- [ ] D) 114 ml
- [ ] E) 1,400 ml

---

43 A recipe for flapjack mix serves 2 people. It uses 100 g of oats and 16 g of sugar. Amara makes it for 3 people. What is the total mass of oats and sugar needed?

- [ ] A) 174 g
- [ ] B) 348 g
- [ ] C) 124 g
- [ ] D) 175 g
- [ ] E) 166 g

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44 Noah mixes paint using red and white in the ratio 5:8. Noah uses 10 ml of red. How much white does Noah use?

- [ ] A) 13 ml
- [ ] B) 16 ml
- [ ] C) 80 ml
- [ ] D) 15 ml
- [ ] E) 26 ml

---

45 A recipe for biscuit dough serves 5 people and uses 100 g of butter. Declan wants to make it for 25 people. How much butter is needed?

- [ ] A) 499 g
- [ ] B) 2,500 g
- [ ] C) 500 g
- [ ] D) 501 g
- [ ] E) 120 g

---

46 Kwame mixes paint using red and white in the ratio 6:7. Kwame uses 42 ml of red. How much white does Kwame use?

- [ ] A) 49 ml
- [ ] B) 36 ml
- [ ] C) 43 ml
- [ ] D) 91 ml
- [ ] E) 294 ml

---

47 Priya mixes squash using juice and water in the ratio 7:9. Priya uses 70 ml of juice. How much more water than juice does Priya use?

- [ ] A) 630 ml
- [ ] B) 72 ml
- [ ] C) 160 ml
- [ ] D) 10 ml
- [ ] E) 20 ml

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48 A recipe for soup serves 5 people. It uses 50 g of stock and 30 g of sugar. Priya makes it for 4 people. What is the total mass of stock and sugar needed?

- [ ] A) 70 g
- [ ] B) 79 g
- [ ] C) 320 g
- [ ] D) 64 g
- [ ] E) 74 g

---

49 Jack mixes compost using soil and sand in the ratio 1:2. Jack uses 12 kg of soil. How much sand does Jack use?

- [ ] A) 12 kg
- [ ] B) 13 kg
- [ ] C) 36 kg
- [ ] D) 25 kg
- [ ] E) 24 kg

---

50 Jack mixes a trail mix using nuts and raisins in the ratio 7:5. Jack uses 42 g of nuts. How much raisins does Jack use?

- [ ] A) 72 g
- [ ] B) 40 g
- [ ] C) 30 g
- [ ] D) 6 g
- [ ] E) 210 g

---

51 A recipe for rice pudding serves 4 people and uses 100 ml of milk. Tariq wants to make it for 2 people. How much milk is needed?

- [ ] A) 98 ml
- [ ] B) 50 ml
- [ ] C) 51 ml
- [ ] D) -200 ml
- [ ] E) 200 ml

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52 Priya mixes concrete using cement and sand in the ratio 1:4. Priya uses 8 kg of cement. How much sand does Priya use?

- [ ] A) 11 kg
- [ ] B) 8 kg
- [ ] C) 2 kg
- [ ] D) 40 kg
- [ ] E) 32 kg

---

53 A recipe for muffin mix serves 4 people and uses 100 g of sugar. Aisha wants to make it for 19 people. How much sugar is needed?

- [ ] A) 1,500 g
- [ ] B) 1,900 g
- [ ] C) 476 g
- [ ] D) 475 g
- [ ] E) 115 g

---

54 Jack mixes squash using juice and water in the ratio 8:7. Jack uses 64 ml of juice. How much more juice than water does Jack use?

- [ ] A) 8 ml
- [ ] B) 63 ml
- [ ] C) 448 ml
- [ ] D) 56 ml
- [ ] E) 7 ml

---

55 A recipe for pasta sauce serves 2 people and uses 20 g of chopped tomatoes. Callum wants to make it for 30 people. How much chopped tomatoes is needed?

- [ ] A) 301 g
- [ ] B) 299 g
- [ ] C) 48 g
- [ ] D) 300 g
- [ ] E) 600 g

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56 Ewan mixes concrete using cement and sand in the ratio 1:3. Ewan uses 9 kg of cement. How much sand does Ewan use?

- [ ] A) 26 kg
- [ ] B) 11 kg
- [ ] C) 9 kg
- [ ] D) 28 kg
- [ ] E) 27 kg

---

57 A recipe for scone mix serves 2 people and uses 50 g of self-raising flour. Callum wants to make it for 30 people. How much self-raising flour is needed?

- [ ] A) 751 g
- [ ] B) 750 g
- [ ] C) 25 g
- [ ] D) 78 g
- [ ] E) 1,500 g

---

58 Rhys mixes squash using juice and water in the ratio 5:6. Rhys uses 50 ml of juice. How much water does Rhys use?

- [ ] A) 300 ml
- [ ] B) 61 ml
- [ ] C) 60 ml
- [ ] D) 51 ml
- [ ] E) 59 ml

---

59 A recipe for fruit punch serves 4 people and uses 200 ml of orange juice. Harry wants to make it for 11 people. How much orange juice is needed?

- [ ] A) 50 ml
- [ ] B) 207 ml
- [ ] C) 1,400 ml
- [ ] D) 550 ml
- [ ] E) 2,200 ml

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60 Hamza mixes squash using juice and water in the ratio 1:9. Hamza uses 5 ml of juice. How much water does Hamza use?

- [ ] A) 13 ml
- [ ] B) 50 ml
- [ ] C) 45 ml
- [ ] D) 5 ml
- [ ] E) 46 ml

---

61 A recipe for pancake batter serves 10 people. It uses 500 g of flour and 140 g of sugar. Hamza makes it for 13 people. What is the total mass of flour and sugar needed?

- [ ] A) 833 g
- [ ] B) 832 g
- [ ] C) 8,320 g
- [ ] D) 682 g
- [ ] E) 790 g

---

62 Fatima mixes compost using soil and sand in the ratio 6:1. Fatima uses 66 kg of soil. How much sand does Fatima use?

- [ ] A) 12 kg
- [ ] B) 396 kg
- [ ] C) 61 kg
- [ ] D) 66 kg
- [ ] E) 11 kg

---

63 Noah mixes concrete using cement and sand in the ratio 8:9. Noah uses 56 kg of cement. How much concrete does Noah make altogether?

- [ ] A) 504 kg
- [ ] B) 63 kg
- [ ] C) 57 kg
- [ ] D) 7 kg
- [ ] E) 119 kg

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64 Ffion mixes concrete using cement and sand in the ratio 8:9. Ffion uses 24 kg of cement. How much sand does Ffion use?

- ☐ A) 25 kg
- ☐ B) 216 kg
- ☐ C) 27 kg
- ☐ D) 51 kg
- ☐ E) 3 kg

---

65 In a cake mix the ratio of milk to flour is 2:5. A baker uses 350 g of flour. Calculate how much milk should be used.

(2)

---

66 A recipe for flapjack mix serves 2 people. It uses 20 g of oats and 54 g of sugar. Poppy makes it for 3 people. What is the total mass of oats and sugar needed?

- ☐ A) 222 g
- ☐ B) 111 g
- ☐ C) 101 g
- ☐ D) 84 g
- ☐ E) 110 g

---

67 Amara mixes a smoothie using banana and yogurt in the ratio 8:9. Amara uses 16 g of banana. How much yogurt does Amara use?

- ☐ A) 18 g
- ☐ B) 17 g
- ☐ C) 19 g
- ☐ D) 144 g
- ☐ E) 34 g

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68 A recipe for muffin mix serves 10 people and uses 300 g of sugar. Esme wants to make it for 13 people. How much sugar is needed?

- [ ] A) 390 g
- [ ] B) 3,900 g
- [ ] C) 30 g
- [ ] D) 389 g
- [ ] E) 303 g

---

69 Hamza mixes squash using juice and water in the ratio 2:7. Hamza uses 8 ml of juice. How much water does Hamza use?

- [ ] A) 4 ml
- [ ] B) 13 ml
- [ ] C) 36 ml
- [ ] D) 56 ml
- [ ] E) 28 ml

---

70 A recipe for scone mix serves 10 people and uses 100 g of self-raising flour. Kofi wants to make it for 11 people. How much self-raising flour is needed?

- [ ] A) 101 g
- [ ] B) 1,100 g
- [ ] C) 109 g
- [ ] D) 110 g
- [ ] E) 10 g

---

71 A recipe for muffin mix serves 6 people and uses 150 g of sugar. Zainab wants to make it for 8 people. How much sugar is needed?

- [ ] A) 201 g
- [ ] B) 1,200 g
- [ ] C) 200 g
- [ ] D) 300 g
- [ ] E) 152 g

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72 Zainab mixes paint using red and white in the ratio 4:1. Zainab uses 12 ml of red. How much white does Zainab use?

- [ ] A) 12 ml
- [ ] B) 9 ml
- [ ] C) 15 ml
- [ ] D) 48 ml
- [ ] E) 3 ml

---

73 A recipe for fruit punch serves 5 people and uses 25 ml of orange juice. Ravi wants to make it for 24 people. How much orange juice is needed?

- [ ] A) 120 ml
- [ ] B) 44 ml
- [ ] C) 121 ml
- [ ] D) 600 ml
- [ ] E) 119 ml

---

74 Aisha mixes squash using juice and water in the ratio 6:7. Aisha uses 48 ml of juice. How much squash does Aisha make altogether?

- [ ] A) 336 ml
- [ ] B) 104 ml
- [ ] C) 49 ml
- [ ] D) 56 ml
- [ ] E) 105 ml

---

75 A recipe for pasta sauce serves 12 people and uses 600 g of chopped tomatoes. Priya wants to make it for 19 people. How much chopped tomatoes is needed?

- [ ] A) 951 g
- [ ] B) 11,400 g
- [ ] C) 950 g
- [ ] D) 607 g
- [ ] E) 4,200 g

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76 Noah mixes squash using juice and water in the ratio 1:8. Noah uses 4 ml of juice. How much water does Noah use?

- [ ] A) 36 ml
- [ ] B) 11 ml
- [ ] C) 4 ml
- [ ] D) 32 ml
- [ ] E) 33 ml

---

77 A recipe for biscuit dough serves 8 people. It uses 40 g of butter and 280 g of sugar. Priya makes it for 26 people. What is the total mass of butter and sugar needed?

- [ ] A) 1,040 g
- [ ] B) 950 g
- [ ] C) 338 g
- [ ] D) 410 g
- [ ] E) 8,320 g

---

78 A recipe for scone mix serves 5 people and uses 50 g of self-raising flour. Harry wants to make it for 25 people. How much self-raising flour is needed?

- [ ] A) 1,000 g
- [ ] B) 1,250 g
- [ ] C) 251 g
- [ ] D) 250 g
- [ ] E) 70 g

---

79 Niamh mixes paint using red and white in the ratio 5:9. Niamh uses 10 ml of red. How much white does Niamh use?

- [ ] A) 8 ml
- [ ] B) 18 ml
- [ ] C) 14 ml
- [ ] D) 17 ml
- [ ] E) 90 ml

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80 A recipe for lemonade serves 10 people. It uses 300 g of water and 120 g of sugar. Ben makes it for 3 people. What is the total mass of water and sugar needed?

- [ ] A) 90 g
- [ ] B) 127 g
- [ ] C) 210 g
- [ ] D) 336 g
- [ ] E) 126 g

---

81 Sienna mixes paint using red and white in the ratio 1:4. Sienna uses 9 ml of red. How much paint does Sienna make altogether?

- [ ] A) 9 ml
- [ ] B) 45 ml
- [ ] C) 36 ml
- [ ] D) 27 ml
- [ ] E) 12 ml

---

82 A recipe for pasta sauce serves 4 people and uses 40 g of chopped tomatoes. Esme wants to make it for 24 people. How much chopped tomatoes is needed?

- [ ] A) 960 g
- [ ] B) 60 g
- [ ] C) 800 g
- [ ] D) 240 g
- [ ] E) 241 g

---

83 Grace mixes squash using juice and water in the ratio 1:7. Grace uses 9 ml of juice. How much squash does Grace make altogether?

- [ ] A) 73 ml
- [ ] B) 63 ml
- [ ] C) 72 ml
- [ ] D) 15 ml
- [ ] E) 9 ml

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84 Niamh mixes compost using soil and sand in the ratio 4:9. Niamh uses 12 kg of soil. How much sand does Niamh use?

- [ ] A) 17 kg
- [ ] B) 3 kg
- [ ] C) 108 kg
- [ ] D) 15 kg
- [ ] E) 27 kg

---

85 A recipe for pancake batter serves 6 people and uses 240 g of flour. Niamh wants to make it for 30 people. How much flour is needed?

- [ ] A) 1,200 g
- [ ] B) 48 g
- [ ] C) 264 g
- [ ] D) 1,199 g
- [ ] E) 7,200 g

---

86 Oliver mixes paint using red and white in the ratio 2:7. Oliver uses 6 ml of red. How much white does Oliver use?

- [ ] A) 3 ml
- [ ] B) 11 ml
- [ ] C) 21 ml
- [ ] D) 42 ml
- [ ] E) 15 ml

---

87 A recipe for lemonade serves 6 people and uses 150 ml of water. Amara wants to make it for 16 people. How much water is needed?

- [ ] A) 2,400 ml
- [ ] B) 1,500 ml
- [ ] C) 160 ml
- [ ] D) 400 ml
- [ ] E) 401 ml

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88 Chloe mixes squash using juice and water in the ratio 5:9. Chloe uses 30 ml of juice. How much squash does Chloe make altogether?

- [ ] A) 54 ml
- [ ] B) 84 ml
- [ ] C) 6 ml
- [ ] D) 270 ml
- [ ] E) 34 ml

---

89 A recipe for muffin mix serves 5 people and uses 25 g of sugar. Sienna wants to make it for 12 people. How much sugar is needed?

- [ ] A) 61 g
- [ ] B) 300 g
- [ ] C) 175 g
- [ ] D) 32 g
- [ ] E) 60 g

---

90 Ravi mixes a smoothie using banana and yogurt in the ratio 6:5. Ravi uses 60 g of banana. How much yogurt does Ravi use?

- [ ] A) 72 g
- [ ] B) 50 g
- [ ] C) 300 g
- [ ] D) 110 g
- [ ] E) 59 g

---

91 Noah mixes concrete using cement and sand in the ratio 3:1. Noah uses 36 kg of cement. How much concrete does Noah make altogether?

- [ ] A) 34 kg
- [ ] B) 36 kg
- [ ] C) 48 kg
- [ ] D) 24 kg
- [ ] E) 108 kg

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92 A recipe for scone mix serves 10 people and uses 500 g of self-raising flour. Amara wants to make it for 4 people. How much self-raising flour is needed?

- [ ] A) 2,000 g
- [ ] B) 494 g
- [ ] C) 1,250 g
- [ ] D) 200 g
- [ ] E) 201 g

---

93 Amara mixes concrete using cement and sand in the ratio 4:7. Amara uses 12 kg of cement. How much sand does Amara use?

- [ ] A) 15 kg
- [ ] B) 84 kg
- [ ] C) 22 kg
- [ ] D) 33 kg
- [ ] E) 21 kg

---

94 A recipe for rice pudding serves 2 people. It uses 60 g of milk and 60 g of sugar. Megan makes it for 10 people. What is the total mass of milk and sugar needed?

- [ ] A) 601 g
- [ ] B) 360 g
- [ ] C) 600 g
- [ ] D) 599 g
- [ ] E) 128 g

---

95 Harry mixes concrete using cement and sand in the ratio 7:9. Harry uses 84 kg of cement. How much sand does Harry use?

- [ ] A) 192 kg
- [ ] B) 108 kg
- [ ] C) 756 kg
- [ ] D) 86 kg
- [ ] E) 109 kg

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96 A recipe for pasta sauce serves 2 people and uses 40 g of chopped tomatoes. Ravi wants to make it for 4 people. How much chopped tomatoes is needed?

- [ ] A) 80 g
- [ ] B) 79 g
- [ ] C) 20 g
- [ ] D) 160 g
- [ ] E) 42 g

---

97 A recipe for rice pudding serves 2 people. It uses 50 g of milk and 42 g of sugar. Rhys makes it for 13 people. What is the total mass of milk and sugar needed?

- [ ] A) 367 g
- [ ] B) 323 g
- [ ] C) 325 g
- [ ] D) 597 g
- [ ] E) 598 g

---

98 Declan mixes a trail mix using nuts and raisins in the ratio 1:2. Declan uses 7 g of nuts. How much raisins does Declan use?

- [ ] A) 8 g
- [ ] B) 14 g
- [ ] C) 15 g
- [ ] D) 13 g
- [ ] E) 7 g

---

99 A recipe for pasta sauce serves 4 people and uses 80 g of chopped tomatoes. Arjun wants to make it for 20 people. How much chopped tomatoes is needed?

- [ ] A) 1,600 g
- [ ] B) 399 g
- [ ] C) 400 g
- [ ] D) 96 g
- [ ] E) 1,280 g

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100 Ben mixes a smoothie using banana and yogurt in the ratio 1:7. Ben uses 8 g of banana. How much a smoothie does Ben make altogether?

- [ ] A) 56 g
- [ ] B) 65 g
- [ ] C) 63 g
- [ ] D) 64 g
- [ ] E) 14 g

---

101 A recipe for fruit punch serves 4 people. It uses 100 g of orange juice and 108 g of sugar. Niamh makes it for 29 people. What is the total mass of orange juice and sugar needed?

- [ ] A) 233 g
- [ ] B) 833 g
- [ ] C) 1,507 g
- [ ] D) 883 g
- [ ] E) 1,508 g

---

102 Anya mixes concrete using cement and sand in the ratio 7:9. Anya uses 70 kg of cement. How much sand does Anya use?

- [ ] A) 90 kg
- [ ] B) 72 kg
- [ ] C) 91 kg
- [ ] D) 89 kg
- [ ] E) 630 kg

---

103 A recipe for biscuit dough serves 12 people and uses 120 g of butter. Tom wants to make it for 24 people. How much butter is needed?

- [ ] A) 239 g
- [ ] B) 60 g
- [ ] C) 240 g
- [ ] D) 2,880 g
- [ ] E) 132 g

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104 A recipe for pancake batter serves 12 people and uses 600 g of flour. Amara wants to make it for 24 people. How much flour is needed?

- [ ] A) 1,201 g
- [ ] B) 1,200 g
- [ ] C) 14,400 g
- [ ] D) 50 g
- [ ] E) 612 g

---

105 Ffion mixes squash using juice and water in the ratio 7:9. Ffion uses 42 ml of juice. How much more water than juice does Ffion use?

- [ ] A) 12 ml
- [ ] B) 44 ml
- [ ] C) 378 ml
- [ ] D) 6 ml
- [ ] E) 96 ml

---

106 A recipe for lemonade serves 5 people and uses 150 ml of water. Arjun wants to make it for 8 people. How much water is needed?

- [ ] A) 239 ml
- [ ] B) 241 ml
- [ ] C) 153 ml
- [ ] D) 240 ml
- [ ] E) 1,200 ml

---

107 Zainab mixes squash using juice and water in the ratio 6:1. Zainab uses 18 ml of juice. How much water does Zainab use?

- [ ] A) 18 ml
- [ ] B) 108 ml
- [ ] C) 3 ml
- [ ] D) 4 ml
- [ ] E) 13 ml

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108 A recipe for soup serves 4 people and uses 20 ml of stock. Arjun wants to make it for 2 people. How much stock is needed?

- [ ] A) 10 ml
- [ ] B) 18 ml
- [ ] C) 9 ml
- [ ] D) -40 ml
- [ ] E) 40 ml

---

109 Imogen mixes concrete using cement and sand in the ratio 3:4. Imogen uses 30 kg of cement. How much sand does Imogen use?

- [ ] A) 120 kg
- [ ] B) 31 kg
- [ ] C) 10 kg
- [ ] D) 39 kg
- [ ] E) 40 kg

---

110 A recipe for fruit punch serves 6 people and uses 120 ml of orange juice. Noah wants to make it for 7 people. How much orange juice is needed?

- [ ] A) 840 ml
- [ ] B) 120 ml
- [ ] C) 121 ml
- [ ] D) 140 ml
- [ ] E) 20 ml

---

111 A recipe for soup serves 10 people. It uses 100 g of stock and 290 g of sugar. Dylan makes it for 9 people. What is the total mass of stock and sugar needed?

- [ ] A) 351 g
- [ ] B) 380 g
- [ ] C) 361 g
- [ ] D) 3,510 g
- [ ] E) 352 g

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112 Arjun mixes concrete using cement and sand in the ratio 8:1. Arjun uses 48 kg of cement. How much more cement than sand does Arjun use?

- [ ] A) 48 kg
- [ ] B) 54 kg
- [ ] C) 42 kg
- [ ] D) 41 kg
- [ ] E) 43 kg

---

113 A recipe for flapjack mix serves 2 people and uses 20 g of oats. Dylan wants to make it for 6 people. How much oats is needed?

- [ ] A) 61 g
- [ ] B) 60 g
- [ ] C) 24 g
- [ ] D) 10 g
- [ ] E) 120 g

---

114 Noah mixes a trail mix using nuts and raisins in the ratio 5:8. Noah uses 40 g of nuts. How much raisins does Noah use?

- [ ] A) 320 g
- [ ] B) 25 g
- [ ] C) 65 g
- [ ] D) 43 g
- [ ] E) 64 g

---

115 A recipe for soup serves 6 people. It uses 300 g of stock and 324 g of sugar. Ethan makes it for 4 people. What is the total mass of stock and sugar needed?

- [ ] A) 524 g
- [ ] B) 417 g
- [ ] C) 200 g
- [ ] D) 416 g
- [ ] E) 516 g

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116 Yusuf mixes a trail mix using nuts and raisins in the ratio 6:1. Yusuf uses 24 g of nuts. How much a trail mix does Yusuf make altogether?

- [ ] A) 24 g
- [ ] B) 29 g
- [ ] C) 19 g
- [ ] D) 144 g
- [ ] E) 28 g

---

117 A recipe for soup serves 4 people and uses 100 ml of stock. Rhys wants to make it for 28 people. How much stock is needed?

- [ ] A) 700 ml
- [ ] B) 2,800 ml
- [ ] C) 2,400 ml
- [ ] D) 701 ml
- [ ] E) 124 ml

---

118 A recipe for flapjack mix serves 6 people. It uses 120 g of oats and 186 g of sugar. Ethan makes it for 29 people. What is the total mass of oats and sugar needed?

- [ ] A) 766 g
- [ ] B) 580 g
- [ ] C) 1,479 g
- [ ] D) 329 g
- [ ] E) 1,019 g

---

119 Grace mixes concrete using cement and sand in the ratio 4:3. Grace uses 12 kg of cement. How much sand does Grace use?

- [ ] A) 11 kg
- [ ] B) 3 kg
- [ ] C) 36 kg
- [ ] D) 9 kg
- [ ] E) 8 kg

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120 A recipe for pancake batter serves 12 people and uses 60 g of flour. Rhys wants to make it for 23 people. How much flour is needed?

- [ ] A) 115 g
- [ ] B) 71 g
- [ ] C) 5 g
- [ ] D) 660 g
- [ ] E) 1,380 g

---

121 Zainab mixes a trail mix using nuts and raisins in the ratio 2:9. Zainab uses 6 g of nuts. How much raisins does Zainab use?

- [ ] A) 54 g
- [ ] B) 27 g
- [ ] C) 13 g
- [ ] D) 26 g
- [ ] E) 33 g

---

122 A recipe for fruit punch serves 2 people and uses 80 ml of orange juice. Imogen wants to make it for 30 people. How much orange juice is needed?

- [ ] A) 108 ml
- [ ] B) 2,400 ml
- [ ] C) 1,201 ml
- [ ] D) 1,200 ml
- [ ] E) 2,240 ml

---

123 Leo mixes concrete using cement and sand in the ratio 5:2. Leo uses 35 kg of cement. How much more cement than sand does Leo use?

- [ ] A) 20 kg
- [ ] B) 70 kg
- [ ] C) 32 kg
- [ ] D) 7 kg
- [ ] E) 21 kg

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124 A recipe for lemonade serves 10 people and uses 400 ml of water. Ravi wants to make it for 25 people. How much water is needed?

- [ ] A) 40 ml
- [ ] B) 10,000 ml
- [ ] C) 1,000 ml
- [ ] D) 415 ml
- [ ] E) 6,000 ml

---

125 A recipe for rice pudding serves 2 people and uses 10 ml of milk. Hamza wants to make it for 26 people. How much milk is needed?

- [ ] A) 130 ml
- [ ] B) 260 ml
- [ ] C) 131 ml
- [ ] D) 5 ml
- [ ] E) 34 ml

---

126 Chloe mixes concrete using cement and sand in the ratio 5:1. Chloe uses 25 kg of cement. How much sand does Chloe use?

- [ ] A) 21 kg
- [ ] B) 6 kg
- [ ] C) 5 kg
- [ ] D) 30 kg
- [ ] E) 25 kg

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Mark scheme · 2.81 Scaling Recipes and Quantities by Ratio: 2-hour Pack

Question 1

correct option A (20 g) cao; scale factor 2/10 applied to the amount **B1**

Answer: A) 20 g

Question 2

correct option D (77 kg) cao; 55 / 5 = 11 per part **B1**

Answer: D) 77 kg

Question 3

correct option E (200 g) cao; scale factor 20/2 applied to the amount **B1**

Answer: E) 200 g

Question 4

correct option C (120 ml) cao; 36 / 3 = 12 per part **B1**

Answer: C) 120 ml

Question 5

correct option B (343 g) cao; scale factor 7/5 applied to the amount **B1**

Answer: B) 343 g

Question 6

correct option C (5 g) cao; 30 / 6 = 5 per part **B1**

Answer: C) 5 g

Question 7

correct option B (300 g) cao; scale factor 30/5 applied to the amount **B1**

Answer: B) 300 g

Question 8

correct option E (12 g) cao; 9 / 3 = 3 per part **B1**

Answer: E) 12 g

Question 9

correct option D (1,440 g) cao; scale factor 20/4 applied to the amount **B1**

Answer: D) 1,440 g

Question 10

correct option A (22 g) cao; 12 / 6 = 2 per part **B1**

Answer: A) 22 g

Question 11

correct option B (360 g) cao; scale factor 18/2 applied to the amount **B1**

Answer: B) 360 g

Question 12

correct option C (63 ml) cao; 36 / 4 = 9 per part **B1**

Answer: C) 63 ml

Question 13

correct option D (400 g) cao; scale factor 20/10 applied to the amount **B1**

Answer: D) 400 g

Question 14

correct option E (35 ml) cao; 25 / 5 = 5 per part **B1**

Answer: E) 35 ml

Question 15

correct option E (84 g) cao; 72 / 6 = 12 per part **B1**

Answer: E) 84 g

Question 16

correct option C (200 ml) cao; scale factor 20/4 applied to the amount **B1**

Answer: C) 200 ml

Question 17

correct option D (10 g) cao; 50 / 5 = 10 per part **B1**

Answer: D) 10 g

Question 18

correct option B (2,626 g) cao; scale factor 26/6 applied to the amount **B1**

Answer: B) 2,626 g

Question 19

correct option A (420 g) cao; scale factor 21/10 applied to the amount **B1**

Answer: A) 420 g

Question 20

correct option B (12 ml) cao; 20 / 5 = 4 per part **B1**

Answer: B) 12 ml

Question 21

correct option D (20 ml) cao; scale factor 2/4 applied to the amount **B1**

Answer: D) 20 ml

Question 22

correct option E (200 g) cao; scale factor 20/10 applied to the amount **B1**

Answer: E) 200 g

Question 23

correct option A (27 g) cao; 3 / 1 = 3 per part **B1**

Answer: A) 27 g

Question 24

correct option C (648 g) cao; scale factor 24/12 applied to the amount **B1**

Answer: C) 648 g

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Question 25

correct option C (132 kg) cao; 55 / 5 = 11 per part **B1**

Answer: C) 132 kg

Question 26

correct option A (1,250 ml) cao; scale factor 25/5 applied to the amount **B1**

Answer: A) 1,250 ml

Question 27

correct option B (9 kg) cao; 15 / 5 = 3 per part **B1**

Answer: B) 9 kg

Question 28

correct option D (20 ml) cao; 50 / 5 = 10 per part **B1**

Answer: D) 20 ml

Question 29

correct option E (4 ml) cao; 16 / 4 = 4 per part **B1**

Answer: E) 4 ml

Question 30

correct option D (1,500 ml) cao; scale factor 30/2 applied to the amount **B1**

Answer: D) 1,500 ml

Question 31

correct option C (35 kg) cao; 28 / 4 = 7 per part **B1**

Answer: C) 35 kg

Question 32

correct option B (40 g) cao; scale factor 2/10 applied to the amount **B1**

Answer: B) 40 g

Question 33

correct option A (18 g) cao; 30 / 5 = 6 per part **B1**

Answer: A) 18 g

Question 34

correct option E (570 ml) cao; scale factor 19/4 applied to the amount **B1**

Answer: E) 570 ml

Question 35

correct option E (42 kg) cao; 24 / 4 = 6 per part **B1**

Answer: E) 42 kg

Question 36

correct option B (25 ml) cao; 5 / 1 = 5 per part **B1**

Answer: B) 25 ml

Question 37

correct option A (80 ml) cao; scale factor 8/4 applied to the amount **B1**

Answer: A) 80 ml

Question 38

correct option C (600 g) cao; scale factor 24/8 applied to the amount **B1**

Answer: C) 600 g

Question 39

correct option D (12 ml) cao; 84 / 7 = 12 per part **B1**

Answer: D) 12 ml

Question 40

correct option E (650 g) cao; scale factor 26/2 applied to the amount **B1**

Answer: E) 650 g

Question 41

correct option D (8 g) cao; 20 / 5 = 4 per part **B1**

Answer: D) 8 g

Question 42

correct option C (800 ml) cao; scale factor 16/2 applied to the amount **B1**

Answer: C) 800 ml

Question 43

correct option A (174 g) cao; scale factor 3/2 applied to the amount **B1**

Answer: A) 174 g

Question 44

correct option B (16 ml) cao; 10 / 5 = 2 per part **B1**

Answer: B) 16 ml

Question 45

correct option C (500 g) cao; scale factor 25/5 applied to the amount **B1**

Answer: C) 500 g

Question 46

correct option A (49 ml) cao; 42 / 6 = 7 per part **B1**

Answer: A) 49 ml

Question 47

correct option E (20 ml) cao; 70 / 7 = 10 per part **B1**

Answer: E) 20 ml

Question 48

correct option D (64 g) cao; scale factor 4/5 applied to the amount **B1**

Answer: D) 64 g

Question 49

correct option E (24 kg) cao; 12 / 1 = 12 per part **B1**

Answer: E) 24 kg

Question 50

correct option C (30 g) cao; 42 / 7 = 6 per part **B1**

Answer: C) 30 g

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Question 51

correct option B (50 ml) cao; scale factor 2/4 applied to the amount **B1**

Answer: B) 50 ml

Question 52

correct option E (32 kg) cao; 8 / 1 = 8 per part **B1**

Answer: E) 32 kg

Question 53

correct option D (475 g) cao; scale factor 19/4 applied to the amount **B1**

Answer: D) 475 g

Question 54

correct option A (8 ml) cao; 64 / 8 = 8 per part **B1**

Answer: A) 8 ml

Question 55

correct option D (300 g) cao; scale factor 30/2 applied to the amount **B1**

Answer: D) 300 g

Question 56

correct option E (27 kg) cao; 9 / 1 = 9 per part **B1**

Answer: E) 27 kg

Question 57

correct option B (750 g) cao; scale factor 30/2 applied to the amount **B1**

Answer: B) 750 g

Question 58

correct option C (60 ml) cao; 50 / 5 = 10 per part **B1**

Answer: C) 60 ml

Question 59

correct option D (550 ml) cao; scale factor 11/4 applied to the amount **B1**

Answer: D) 550 ml

Question 60

correct option C (45 ml) cao; 5 / 1 = 5 per part **B1**

Answer: C) 45 ml

Question 61

correct option B (832 g) cao; scale factor 13/10 applied to the amount **B1**

Answer: B) 832 g

Question 62

correct option E (11 kg) cao; 66 / 6 = 11 per part **B1**

Answer: E) 11 kg

Question 63

correct option E (119 kg) cao; 56 / 8 = 7 per part **B1**

Answer: E) 119 kg

Question 64

correct option C (27 kg) cao; 24 / 8 = 3 per part **B1**

Answer: C) 27 kg

Question 65

milk = 2/5 x 350 or equivalent method shown **M1**

140 g (or ml) milk cao **A1**

Answer: 140 g (or ml)

Question 66

correct option B (111 g) cao; scale factor 3/2 applied to the amount **B1**

Answer: B) 111 g

Question 67

correct option A (18 g) cao; 16 / 8 = 2 per part **B1**

Answer: A) 18 g

Question 68

correct option A (390 g) cao; scale factor 13/10 applied to the amount **B1**

Answer: A) 390 g

Question 69

correct option E (28 ml) cao; 8 / 2 = 4 per part **B1**

Answer: E) 28 ml

Question 70

correct option D (110 g) cao; scale factor 11/10 applied to the amount **B1**

Answer: D) 110 g

Question 71

correct option C (200 g) cao; scale factor 8/6 applied to the amount **B1**

Answer: C) 200 g

Question 72

correct option E (3 ml) cao; 12 / 4 = 3 per part **B1**

Answer: E) 3 ml

Question 73

correct option A (120 ml) cao; scale factor 24/5 applied to the amount **B1**

Answer: A) 120 ml

Question 74

correct option B (104 ml) cao; 48 / 6 = 8 per part **B1**

Answer: B) 104 ml

Question 75

correct option C (950 g) cao; scale factor 19/12 applied to the amount **B1**

Answer: C) 950 g

Question 76

correct option D (32 ml) cao; 4 / 1 = 4 per part **B1**

Answer: D) 32 ml

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Question 77

correct option A (1,040 g) cao; scale factor 26/8 applied to the amount **B1**

Answer: A) 1,040 g

Question 78

correct option D (250 g) cao; scale factor 25/5 applied to the amount **B1**

Answer: D) 250 g

Question 79

correct option B (18 ml) cao; 10 / 5 = 2 per part **B1**

Answer: B) 18 ml

Question 80

correct option E (126 g) cao; scale factor 3/10 applied to the amount **B1**

Answer: E) 126 g

Question 81

correct option B (45 ml) cao; 9 / 1 = 9 per part **B1**

Answer: B) 45 ml

Question 82

correct option D (240 g) cao; scale factor 24/4 applied to the amount **B1**

Answer: D) 240 g

Question 83

correct option C (72 ml) cao; 9 / 1 = 9 per part **B1**

Answer: C) 72 ml

Question 84

correct option E (27 kg) cao; 12 / 4 = 3 per part **B1**

Answer: E) 27 kg

Question 85

correct option A (1,200 g) cao; scale factor 30/6 applied to the amount **B1**

Answer: A) 1,200 g

Question 86

correct option C (21 ml) cao; 6 / 2 = 3 per part **B1**

Answer: C) 21 ml

Question 87

correct option D (400 ml) cao; scale factor 16/6 applied to the amount **B1**

Answer: D) 400 ml

Question 88

correct option B (84 ml) cao; 30 / 5 = 6 per part **B1**

Answer: B) 84 ml

Question 89

correct option E (60 g) cao; scale factor 12/5 applied to the amount **B1**

Answer: E) 60 g

Question 90

correct option B (50 g) cao; 60 / 6 = 10 per part **B1**

Answer: B) 50 g

Question 91

correct option C (48 kg) cao; 36 / 3 = 12 per part **B1**

Answer: C) 48 kg

Question 92

correct option D (200 g) cao; scale factor 4/10 applied to the amount **B1**

Answer: D) 200 g

Question 93

correct option E (21 kg) cao; 12 / 4 = 3 per part **B1**

Answer: E) 21 kg

Question 94

correct option C (600 g) cao; scale factor 10/2 applied to the amount **B1**

Answer: C) 600 g

Question 95

correct option B (108 kg) cao; 84 / 7 = 12 per part **B1**

Answer: B) 108 kg

Question 96

correct option A (80 g) cao; scale factor 4/2 applied to the amount **B1**

Answer: A) 80 g

Question 97

correct option E (598 g) cao; scale factor 13/2 applied to the amount **B1**

Answer: E) 598 g

Question 98

correct option B (14 g) cao; 7 / 1 = 7 per part **B1**

Answer: B) 14 g

Question 99

correct option C (400 g) cao; scale factor 20/4 applied to the amount **B1**

Answer: C) 400 g

Question 100

correct option D (64 g) cao; 8 / 1 = 8 per part **B1**

Answer: D) 64 g

Question 101

correct option E (1,508 g) cao; scale factor 29/4 applied to the amount **B1**

Answer: E) 1,508 g

Question 102

correct option A (90 kg) cao; 70 / 7 = 10 per part **B1**

Answer: A) 90 kg

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Question 103

correct option C (240 g) cao; scale factor 24/12 applied to the amount **B1**

Answer: C) 240 g

Question 104

correct option B (1,200 g) cao; scale factor 24/12 applied to the amount **B1**

Answer: B) 1,200 g

Question 105

correct option A (12 ml) cao; 42 / 7 = 6 per part **B1**

Answer: A) 12 ml

Question 106

correct option D (240 ml) cao; scale factor 8/5 applied to the amount **B1**

Answer: D) 240 ml

Question 107

correct option C (3 ml) cao; 18 / 6 = 3 per part **B1**

Answer: C) 3 ml

Question 108

correct option A (10 ml) cao; scale factor 2/4 applied to the amount **B1**

Answer: A) 10 ml

Question 109

correct option E (40 kg) cao; 30 / 3 = 10 per part **B1**

Answer: E) 40 kg

Question 110

correct option D (140 ml) cao; scale factor 7/6 applied to the amount **B1**

Answer: D) 140 ml

Question 111

correct option A (351 g) cao; scale factor 9/10 applied to the amount **B1**

Answer: A) 351 g

Question 112

correct option C (42 kg) cao; 48 / 8 = 6 per part **B1**

Answer: C) 42 kg

Question 113

correct option B (60 g) cao; scale factor 6/2 applied to the amount **B1**

Answer: B) 60 g

Question 114

correct option E (64 g) cao; 40 / 5 = 8 per part **B1**

Answer: E) 64 g

Question 115

correct option D (416 g) cao; scale factor 4/6 applied to the amount **B1**

Answer: D) 416 g

Question 116

correct option E (28 g) cao; 24 / 6 = 4 per part **B1**

Answer: E) 28 g

Question 117

correct option A (700 ml) cao; scale factor 28/4 applied to the amount **B1**

Answer: A) 700 ml

Question 118

correct option C (1,479 g) cao; scale factor 29/6 applied to the amount **B1**

Answer: C) 1,479 g

Question 119

correct option D (9 kg) cao; 12 / 4 = 3 per part **B1**

Answer: D) 9 kg

Question 120

correct option A (115 g) cao; scale factor 23/12 applied to the amount **B1**

Answer: A) 115 g

Question 121

correct option B (27 g) cao; 6 / 2 = 3 per part **B1**

Answer: B) 27 g

Question 122

correct option D (1,200 ml) cao; scale factor 30/2 applied to the amount **B1**

Answer: D) 1,200 ml

Question 123

correct option E (21 kg) cao; 35 / 5 = 7 per part **B1**

Answer: E) 21 kg

Question 124

correct option C (1,000 ml) cao; scale factor 25/10 applied to the amount **B1**

Answer: C) 1,000 ml

Question 125

correct option A (130 ml) cao; scale factor 26/2 applied to the amount **B1**

Answer: A) 130 ml

Question 126

correct option C (5 kg) cao; 25 / 5 = 5 per part **B1**

Answer: C) 5 kg

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