Name Date

# MIXED RATIO PROBLEMS 7:1

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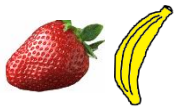
|---|---|
| 1. **Smoothie Mix**<br>A smoothie recipe uses a ratio of 3:2 for strawberries to bananas.  <br>If a café uses 18 cups of strawberries, how many cups of bananas should they use? | |
| 2. **School Club T-Shirts**<br>A school club orders T-shirts in a ratio of 5: 3 for blue to red shirts. <br>If they order 64 shirts total, how many of each color do they buy? | |
| 3. **Trail Mix**<br>A bag of trail mix contains peanuts, raisins, and chocolate chips in the ratio 4: 3: 2. <br>If the bag contains 27 scoops of ingredients, how many scoops are chocolate chips? | |
| 4. **Bedroom Layout**<br>A scale drawing of a bedroom uses a scale of 1 cm: 0.5 m. <br>If the actual bed is 2 m long, how long should it be on the drawing? | |
| 5. **Lemonade Stand**<br>A lemonade recipe uses 4 cups of water for every 1 cup of lemon juice.<br>If Mia wants to make 35 cups of lemonade, how much lemon juice does she need? | |
| 6) **Movie Snacks**<br>At a movie theater, the ratio of popcorn sold to nachos sold is 7: 4.<br>If 112 packs of popcorn were sold in total, how many packs of nachos were sold? | |

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# MIXED RATIO PROBLEMS 7:1 ANSWERS

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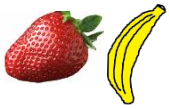
|---|---|
| 1. **Smoothie Mix**<br>A smoothie recipe uses a ratio of 3:2 for strawberries to bananas.<br>  <br>If a café uses 18 cups of strawberries, how many cups of bananas should they use? | 3 strawberries : 2 bananas<br>→multiply by 6<br>18 strawberries : 12 bananas<br>You need 12 cups of bananas |
| 2. **School Club T-Shirts**<br>A school club orders T-shirts in a ratio of 5: 3 for blue to red shirts.<br> <br>If they order 64 shirts total, how many of each color do they buy? | 5 blue : 3 red<br>Total = 5 + 3 = 8 T-shirts<br>64 ÷ 8 = 8 so multiply by 8<br>5 x 8 = 40 blue T-shirts<br>3 x 8 = 24 red T-shirts |
| 3. **Trail Mix**<br>A bag of trail mix contains peanuts, raisins, and chocolate chips in the ratio 4: 3: 2.<br> <br>If the bag contains 27 scoops of ingredients, how many scoops are chocolate chips? | 4 peanuts : 3 raisins : 2 choc<br>Total = 4+3+2 = 9<br>27 ÷ 9 = 3 so multiply by 3<br>12 peanuts : 9 raisins : 6 choc<br>Answer: 6 scoops of chocolate chips |
| 4. **Bedroom Layout**<br>A scale drawing of a bedroom uses a scale of 1 cm: 0.5 m.<br> <br>If the actual bed is 2 m long, how long should it be on the drawing? | 1 cm : 0.5 m<br>We need to find ? : 2 m<br>2 m ÷ 0.5 m = 4<br>→ multiply by 4<br>4 cm : 2 m<br>The bed drawing is 4cm long. |
| 5. **Lemonade Stand**<br>A lemonade recipe uses 4 cups of water for every 1 ½ cups of lemon juice.<br> <br>If Mia wants to make 33 cups of lemonade, how much lemon juice does she need? | 4 water : 1 ½ lemon<br>→ multiply by 2<br>8 water : 3 lemon<br>Total = 8+3=11<br>33 ÷ 11 = 3 so multiply by 3<br>3 lemon x 3 = 9 lemon<br>Answer: 9 cups of lemon juice |
| 6) **Movie Snacks**<br>At a movie theater, the ratio of popcorn sold to nachos sold is 7: 4.<br> <br>If 112 packs of popcorn were sold in total, how many packs of nachos were sold? | 7 popcorn : 4 nachos<br>112 ÷ 7 = 16<br>→ multiply by 16<br>4 x 16 = 64<br>Answer 64 packs of nachos |

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