

Converting Units of Measurement - ANSWER KEY

Grade 4 | Converting larger units to smaller units of length, weight, time, and volume | Version 1 of 10

Use the chart to convert each measurement to the smaller unit.

1 foot = 12 inches | 1 yard = 3 feet | 1 yard = 36 inches | 1 pound = 16 ounces | 1 gallon = 4 quarts
1 quart = 2 pints | 1 day = 24 hours | 1 hour = 60 minutes | 1 minute = 60 seconds
1 kilometer = 1,000 meters | 1 meter = 100 centimeters | 1 centimeter = 10 millimeters
1 kilogram = 1,000 grams | 1 liter = 1,000 milliliters

Part A: Convert to the smaller unit.

1. 9 feet = 108 inches
2. 4 centimeters = 40 millimeters
3. 3 gallons = 12 quarts
4. 5 liters = 5,000 milliliters
5. 11 yards = 396 inches
6. 9 meters = 900 centimeters
7. 10 pounds = 160 ounces
8. 5 feet = 60 inches
9. 6 liters = 6,000 milliliters
10. 2 meters = 200 centimeters

Part B: Convert each mixed measurement to the smaller unit.

11. 6 hours 10 minutes = 370 minutes
12. 4 feet 9 inches = 57 inches
13. 2 meters 19 centimeters = 219 centimeters
14. 5 yards 2 feet = 17 feet
15. 7 feet 10 inches = 94 inches
16. 2 meters 89 centimeters = 289 centimeters

Converting Units of Measurement - ANSWER KEY

Grade 4 | Converting larger units to smaller units of length, weight, time, and volume | Version 2 of 10

Use the chart to convert each measurement to the smaller unit.

1 foot = 12 inches | 1 yard = 3 feet | 1 yard = 36 inches | 1 pound = 16 ounces | 1 gallon = 4 quarts
1 quart = 2 pints | 1 day = 24 hours | 1 hour = 60 minutes | 1 minute = 60 seconds
1 kilometer = 1,000 meters | 1 meter = 100 centimeters | 1 centimeter = 10 millimeters
1 kilogram = 1,000 grams | 1 liter = 1,000 milliliters

Part A: Convert to the smaller unit.

1. 11 feet = 132 inches
2. 4 yards = 12 feet
3. 12 days = 288 hours
4. 4 days = 96 hours
5. 7 centimeters = 70 millimeters
6. 8 gallons = 32 quarts
7. 9 yards = 324 inches
8. 12 feet = 144 inches
9. 5 kilometers = 5,000 meters
10. 11 minutes = 660 seconds

Part B: Convert each mixed measurement to the smaller unit.

11. 6 gallons 2 quarts = 26 quarts
12. 3 feet 5 inches = 41 inches
13. 6 feet 9 inches = 81 inches
14. 6 yards 1 foot = 19 feet
15. 5 gallons 3 quarts = 23 quarts
16. 9 yards 1 foot = 28 feet

Converting Units of Measurement - ANSWER KEY

Grade 4 | Converting larger units to smaller units of length, weight, time, and volume | Version 3 of 10

Use the chart to convert each measurement to the smaller unit.

1 foot = 12 inches | 1 yard = 3 feet | 1 yard = 36 inches | 1 pound = 16 ounces | 1 gallon = 4 quarts
1 quart = 2 pints | 1 day = 24 hours | 1 hour = 60 minutes | 1 minute = 60 seconds
1 kilometer = 1,000 meters | 1 meter = 100 centimeters | 1 centimeter = 10 millimeters
1 kilogram = 1,000 grams | 1 liter = 1,000 milliliters

Part A: Convert to the smaller unit.

1. 5 yards = 15 feet
2. 12 minutes = 720 seconds
3. 5 centimeters = 50 millimeters
4. 2 kilograms = 2,000 grams
5. 12 liters = 12,000 milliliters
6. 6 yards = 216 inches
7. 6 gallons = 24 quarts
8. 2 centimeters = 20 millimeters
9. 12 hours = 720 minutes
10. 5 hours = 300 minutes

Part B: Convert each mixed measurement to the smaller unit.

11. 6 hours 34 minutes = 394 minutes
12. 8 yards 2 feet = 26 feet
13. 5 pounds 4 ounces = 84 ounces
14. 8 hours 41 minutes = 521 minutes
15. 4 meters 60 centimeters = 460 centimeters
16. 1 foot 11 inches = 23 inches

Converting Units of Measurement - ANSWER KEY

Grade 4 | Converting larger units to smaller units of length, weight, time, and volume | Version 4 of 10

Use the chart to convert each measurement to the smaller unit.

1 foot = 12 inches | 1 yard = 3 feet | 1 yard = 36 inches | 1 pound = 16 ounces | 1 gallon = 4 quarts
1 quart = 2 pints | 1 day = 24 hours | 1 hour = 60 minutes | 1 minute = 60 seconds
1 kilometer = 1,000 meters | 1 meter = 100 centimeters | 1 centimeter = 10 millimeters
1 kilogram = 1,000 grams | 1 liter = 1,000 milliliters

Part A: Convert to the smaller unit.

1. 10 minutes = 600 seconds
2. 8 liters = 8,000 milliliters
3. 12 kilometers = 12,000 meters
4. 6 kilograms = 6,000 grams
5. 6 kilometers = 6,000 meters
6. 8 meters = 800 centimeters
7. 6 centimeters = 60 millimeters
8. 4 hours = 240 minutes
9. 8 kilometers = 8,000 meters
10. 7 meters = 700 centimeters

Part B: Convert each mixed measurement to the smaller unit.

11. 6 hours 53 minutes = 413 minutes
12. 3 feet 8 inches = 44 inches
13. 5 gallons 1 quart = 21 quarts
14. 5 pounds 7 ounces = 87 ounces
15. 7 pounds 8 ounces = 120 ounces
16. 7 gallons 2 quarts = 30 quarts

Converting Units of Measurement - ANSWER KEY

Grade 4 | Converting larger units to smaller units of length, weight, time, and volume | Version 5 of 10

Use the chart to convert each measurement to the smaller unit.

1 foot = 12 inches | 1 yard = 3 feet | 1 yard = 36 inches | 1 pound = 16 ounces | 1 gallon = 4 quarts
1 quart = 2 pints | 1 day = 24 hours | 1 hour = 60 minutes | 1 minute = 60 seconds
1 kilometer = 1,000 meters | 1 meter = 100 centimeters | 1 centimeter = 10 millimeters
1 kilogram = 1,000 grams | 1 liter = 1,000 milliliters

Part A: Convert to the smaller unit.

1. 4 meters = 400 centimeters
2. 6 days = 144 hours
3. 10 yards = 360 inches
4. 5 pounds = 80 ounces
5. 7 gallons = 28 quarts
6. 2 hours = 120 minutes
7. 12 pounds = 192 ounces
8. 2 liters = 2,000 milliliters
9. 7 days = 168 hours
10. 10 meters = 1,000 centimeters

Part B: Convert each mixed measurement to the smaller unit.

11. 3 hours 41 minutes = 221 minutes
12. 4 yards 2 feet = 14 feet
13. 1 meter 71 centimeters = 171 centimeters
14. 3 hours 59 minutes = 239 minutes
15. 4 pounds 1 ounce = 65 ounces
16. 4 hours 51 minutes = 291 minutes

Converting Units of Measurement - ANSWER KEY

Grade 4 | Converting larger units to smaller units of length, weight, time, and volume | Version 6 of 10

Use the chart to convert each measurement to the smaller unit.

1 foot = 12 inches | 1 yard = 3 feet | 1 yard = 36 inches | 1 pound = 16 ounces | 1 gallon = 4 quarts
1 quart = 2 pints | 1 day = 24 hours | 1 hour = 60 minutes | 1 minute = 60 seconds
1 kilometer = 1,000 meters | 1 meter = 100 centimeters | 1 centimeter = 10 millimeters
1 kilogram = 1,000 grams | 1 liter = 1,000 milliliters

Part A: Convert to the smaller unit.

1. 7 kilograms = 7,000 grams
2. 7 kilometers = 7,000 meters
3. 3 yards = 108 inches
4. 2 pounds = 32 ounces
5. 9 kilograms = 9,000 grams
6. 8 kilograms = 8,000 grams
7. 8 quarts = 16 pints
8. 11 yards = 33 feet
9. 12 quarts = 24 pints
10. 3 feet = 36 inches

Part B: Convert each mixed measurement to the smaller unit.

11. 4 hours 32 minutes = 272 minutes
12. 9 pounds 14 ounces = 158 ounces
13. 1 gallon 3 quarts = 7 quarts
14. 1 pound 8 ounces = 24 ounces
15. 6 hours 45 minutes = 405 minutes
16. 3 gallons 3 quarts = 15 quarts

Converting Units of Measurement - ANSWER KEY

Grade 4 | Converting larger units to smaller units of length, weight, time, and volume | Version 7 of 10

Use the chart to convert each measurement to the smaller unit.

1 foot = 12 inches | 1 yard = 3 feet | 1 yard = 36 inches | 1 pound = 16 ounces | 1 gallon = 4 quarts
1 quart = 2 pints | 1 day = 24 hours | 1 hour = 60 minutes | 1 minute = 60 seconds
1 kilometer = 1,000 meters | 1 meter = 100 centimeters | 1 centimeter = 10 millimeters
1 kilogram = 1,000 grams | 1 liter = 1,000 milliliters

Part A: Convert to the smaller unit.

1. 7 minutes = 420 seconds
2. 10 days = 240 hours
3. 2 quarts = 4 pints
4. 5 days = 120 hours
5. 7 yards = 21 feet
6. 3 kilometers = 3,000 meters
7. 8 yards = 288 inches
8. 10 centimeters = 100 millimeters
9. 3 meters = 300 centimeters
10. 4 minutes = 240 seconds

Part B: Convert each mixed measurement to the smaller unit.

11. 6 hours 25 minutes = 385 minutes
12. 1 meter 96 centimeters = 196 centimeters
13. 7 feet 7 inches = 91 inches
14. 7 yards 2 feet = 23 feet
15. 3 meters 56 centimeters = 356 centimeters
16. 8 pounds 5 ounces = 133 ounces

Converting Units of Measurement - ANSWER KEY

Grade 4 | Converting larger units to smaller units of length, weight, time, and volume | Version 8 of 10

Use the chart to convert each measurement to the smaller unit.

1 foot = 12 inches | 1 yard = 3 feet | 1 yard = 36 inches | 1 pound = 16 ounces | 1 gallon = 4 quarts
1 quart = 2 pints | 1 day = 24 hours | 1 hour = 60 minutes | 1 minute = 60 seconds
1 kilometer = 1,000 meters | 1 meter = 100 centimeters | 1 centimeter = 10 millimeters
1 kilogram = 1,000 grams | 1 liter = 1,000 milliliters

Part A: Convert to the smaller unit.

1. 6 hours = 360 minutes
2. 9 gallons = 36 quarts
3. 11 kilograms = 11,000 grams
4. 12 meters = 1,200 centimeters
5. 5 gallons = 20 quarts
6. 6 minutes = 360 seconds
7. 12 gallons = 48 quarts
8. 2 feet = 24 inches
9. 9 minutes = 540 seconds
10. 10 liters = 10,000 milliliters

Part B: Convert each mixed measurement to the smaller unit.

11. 7 feet 9 inches = 93 inches
12. 5 meters 4 centimeters = 504 centimeters
13. 8 hours 36 minutes = 516 minutes
14. 1 gallon 1 quart = 5 quarts
15. 4 meters 81 centimeters = 481 centimeters
16. 3 yards 1 foot = 10 feet

Converting Units of Measurement - ANSWER KEY

Grade 4 | Converting larger units to smaller units of length, weight, time, and volume | Version 9 of 10

Use the chart to convert each measurement to the smaller unit.

1 foot = 12 inches | 1 yard = 3 feet | 1 yard = 36 inches | 1 pound = 16 ounces | 1 gallon = 4 quarts
1 quart = 2 pints | 1 day = 24 hours | 1 hour = 60 minutes | 1 minute = 60 seconds
1 kilometer = 1,000 meters | 1 meter = 100 centimeters | 1 centimeter = 10 millimeters
1 kilogram = 1,000 grams | 1 liter = 1,000 milliliters

Part A: Convert to the smaller unit.

1. 3 centimeters = 30 millimeters
2. 8 minutes = 480 seconds
3. 2 days = 48 hours
4. 7 pounds = 112 ounces
5. 11 centimeters = 110 millimeters
6. 12 kilograms = 12,000 grams
7. 4 kilometers = 4,000 meters
8. 11 kilometers = 11,000 meters
9. 8 yards = 24 feet
10. 8 centimeters = 80 millimeters

Part B: Convert each mixed measurement to the smaller unit.

11. 8 pounds 10 ounces = 138 ounces
12. 1 hour 2 minutes = 62 minutes
13. 9 meters 31 centimeters = 931 centimeters
14. 3 pounds 12 ounces = 60 ounces
15. 2 yards 2 feet = 8 feet
16. 6 meters 91 centimeters = 691 centimeters

Converting Units of Measurement - ANSWER KEY

Grade 4 | Converting larger units to smaller units of length, weight, time, and volume | Version 10 of 10

Use the chart to convert each measurement to the smaller unit.

1 foot = 12 inches | 1 yard = 3 feet | 1 yard = 36 inches | 1 pound = 16 ounces | 1 gallon = 4 quarts
1 quart = 2 pints | 1 day = 24 hours | 1 hour = 60 minutes | 1 minute = 60 seconds
1 kilometer = 1,000 meters | 1 meter = 100 centimeters | 1 centimeter = 10 millimeters
1 kilogram = 1,000 grams | 1 liter = 1,000 milliliters

Part A: Convert to the smaller unit.

1. 4 kilograms = 4,000 grams
2. 5 kilograms = 5,000 grams
3. 2 yards = 6 feet
4. 10 quarts = 20 pints
5. 11 quarts = 22 pints
6. 5 quarts = 10 pints
7. 7 hours = 420 minutes
8. 7 feet = 84 inches
9. 3 liters = 3,000 milliliters
10. 6 quarts = 12 pints

Part B: Convert each mixed measurement to the smaller unit.

11. 9 meters 59 centimeters = 959 centimeters
12. 6 feet 6 inches = 78 inches
13. 9 hours 20 minutes = 560 minutes
14. 6 hours 57 minutes = 417 minutes
15. 1 hour 1 minute = 61 minutes
16. 2 meters 1 centimeter = 201 centimeters