

4th Grade Measurement Conversion - Answer Key

4th Grade - converting larger units to smaller units | 18 minutes

Convert each measurement. Use the facts: 1 ft = 12 in, 1 yd = 3 ft, 1 m = 100 cm, 1 km = 1000 m, 1 kg = 1000 g, 1 lb = 16 oz, 1 hr = 60 min, 1 min = 60 sec.

Example: 3 ft = ___ in. Since 1 ft = 12 in: $3 \times 12 = 36$ in.

1. 5 ft = ___ in

Answer: 60 in (5 x 12)

2. 4 yd = ___ ft

Answer: 12 ft (4 x 3)

3. 2 m = ___ cm

Answer: 200 cm (2 x 100)

4. 3 km = ___ m

Answer: 3,000 m (3 x 1000)

5. 6 kg = ___ g

Answer: 6,000 g (6 x 1000)

6. 2 lb = ___ oz

Answer: 32 oz (2 x 16)

7. 4 hr = ___ min

Answer: 240 min (4 x 60)

8. 5 min = ___ sec

Answer: 300 sec (5 x 60)

Challenge

9. A rope is 2 yards long. How many inches is that?

Answer: 2 yd = 6 ft, then 6 x 12 = 72 in

10. Why do you multiply when changing a bigger unit to a smaller one?

Answer: Because smaller units are smaller, so it takes more of them to make the same length or amount.