Converting units

Name _____ Date _____

Bigger unit to smaller unit: multiply.

Common Core 4.MD.A.1

Example 7 km = ? m

1. 1 km = 1,000 m.
2. Bigger unit to smaller unit: multiply. 7 × 1,000 = 7,000.

Answer: 7,000 m

1. 19 km = ____ m
2. 2 m = ____ cm
3. 21 cm = ____ mm
4. 29 kg = ____ g
5. 18 L = ____ mL
6. 17 L = ____ mL

Change the bigger unit, then add the rest.

Example 7 m 35 cm = ? cm

1. Change the metres to centimetres: 7 × 100 = 700 cm.
2. Add the extra centimetres: 700 + 35 = 735.

Answer: 735 cm

7. 3 m 76 cm = ____ cm
8. 7 ft 1 in = ____ in
9. 4 min 51 s = ____ s
10. 4 kg 865 g = ____ g
11. 3 lb 2 oz = ____ oz
12. 6 ft 10 in = ____ in

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Area & perimeter

Name _____ Date _____

Perimeter = 2 × (length + width).

Common Core 4.MD.A.3

Example **A rectangle is 14 cm long and 6 cm wide. Perimeter?**

1. Perimeter = length + width + length + width.
2. 2 × (14 + 6) = 2 × 20 = 40.

Answer: 40 cm

1. Length 5 in, width 3 in
   Perimeter = ☐ in

2. Length 5 mm, width 2 mm
   Perimeter = ☐ mm

3. Length 27 mm, width 12 mm
   Perimeter = ☐ mm

4. Length 30 cm, width 4 cm
   Perimeter = ☐ cm

5. Length 14 cm, width 10 cm
   Perimeter = ☐ cm

6. Length 12 ft, width 5 ft
   Perimeter = ☐ ft

Area = length × width.

Example **A rectangle is 14 cm long and 6 cm wide. Area?**

1. Area = length × width.
2. 14 × 6 = 84.

Answer: 84 cm²

7. Length 18 in, width 7 in
   Area = ☐ in²

8. Length 14 m, width 8 m
   Area = ☐ m²

9. Length 23 mm, width 14 mm
   Area = ☐ mm²

10. Length 10 m, width 8 m
    Area = ☐ m²

11. Length 22 cm, width 7 cm
    Area = ☐ cm²

12. Length 17 cm, width 15 cm
    Area = ☐ cm²

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Answers

Answers are in the same order as the boxes.

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1. 19,000 m
2. 200 cm
3. 210 mm
4. 29,000 g
5. 18,000 mL
6. 17,000 mL
7. 376 cm
8. 85 in
9. 291 s
10. 4,865 g
11. 50 oz
12. 82 in

Page 2 · Area & perimeter

1. 16 in
2. 14 mm
3. 78 mm
4. 68 cm
5. 48 cm
6. 34 ft
7. 126 in^2
8. 112 m^2
9. 322 mm^2
10. 80 m^2
11. 154 cm^2
12. 255 cm^2

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