

TARGET To understand and use common imperial measures and their metric equivalents.

These are the most commonly used imperial units and their metric equivalents. The sign \approx means 'is approximately equal to'.

Examples

LENGTH

1 inch \approx 2.5 cm

1 foot \approx 30 cm

1 yard \approx 90 cm

1 mile \approx 1.6 km

8 km \approx 5 miles

WEIGHT

1 oz (ounce) \approx 30 g

1 kg \approx 2.2 lb (pounds)

CAPACITY

1 pint \approx 0.6 litres

1 gallon \approx 4.5 litres

A

Which imperial unit would you use to measure:

- 1 a field's length
- 2 the weight of a cup
- 3 the width of a sea
- 4 a sink's capacity
- 5 the height of a fence
- 6 the weight of a dog
- 7 a bottle's capacity
- 8 the length of a pencil.

Copy and complete.

- 9 10 inches \approx cm
- 10 2 pints \approx litres
- 11 3 miles \approx km
- 12 4.4 pounds \approx kg
- 13 6 feet \approx cm
- 14 2 gallons \approx litres
- 15 8 ounces \approx g
- 16 2 yards \approx m
- 17 4 inches \approx cm
- 18 10 pints \approx litres
- 19 pounds \approx 3 kg
- 20 5 miles \approx km

B

Choose the best estimate.

- 1 a golfer's drive
2, 20 and 200 yards
- 2 a bath's capacity
6, 16 and 60 gallons
- 3 an egg's weight
2, 12 and 20 ounces
- 4 the height of a room
10, 20 and 30 feet

Copy and complete.

- 5 11 lb \approx kg
- 6 20 yards \approx m
- 7 15 pints \approx litres
- 8 8 inches \approx cm
- 9 100 miles \approx km
- 10 10 oz \approx g
- 11 3 gallons \approx litres
- 12 12 feet \approx m
- 13 pounds \approx 100 kg
- 14 11 inches \approx cm
- 15 0.5 pints \approx ml
- 16 miles \approx 4 km

C

Copy and complete.

- 1 12 inches \approx cm
- 2 5000 gallons \approx litres
- 3 55 miles \approx km
- 4 16 oz \approx g
- 5 75 feet \approx m
- 6 2.5 pints \approx litres
- 7 5.5 lb \approx kg
- 8 60 yards \approx m
- 9 90 gallons \approx litres
- 10 200 miles \approx km
- 11 0.25 oz \approx g
- 12 9 inches \approx cm
- 13 To the nearest tenth of a litre, how many litres are there in:
a) 7 gallons c) 4 pints
b) 50 gallons d) 21 pints?
- 14 To the nearest tenth of a kilometre, how many kilometres are there in:
a) 84 miles c) 3000 yards
b) 19 miles d) 15 000 feet?

TARGET To practise using common imperial measures and their metric equivalents.

These are the most commonly used imperial units and their metric equivalents.
The sign \approx means 'is approximately equal to'.

Examples

LENGTH

1 inch \approx 2.5 cm
1 foot \approx 30 cm
1 yard \approx 90 cm

1 mile \approx 1.6 km
8 km \approx 5 miles

WEIGHT

1 oz (ounce) \approx 30 g
1 kg \approx 2.2 lb (pounds)

CAPACITY

1 pint \approx 0.6 litres
1 gallon \approx 4.5 litres

A

Which imperial unit would you use to measure:

- 1 the length of a worm
- 2 the capacity of a bowl
- 3 a wardrobe's height
- 4 a suitcase's weight
- 5 the distance between two cities
- 6 a lake's capacity
- 7 a corridor's length
- 8 a sparrow's weight

Copy and complete.

- 9 2 miles \approx km
- 10 22 pounds \approx kg
- 11 7 pints \approx litres
- 12 3 inches \approx cm
- 13 5 yards \approx m
- 14 4 ounces \approx g
- 15 10 gallons \approx litres
- 16 10 feet \approx m
- 17 pounds \approx 5 kg
- 18 10 miles \approx km
- 19 5 pints \approx litres
- 20 2 inches \approx cm

B

Choose the best estimate.

- 1 Great Britain's length 60, 600 or 6000 miles
- 2 a cat's weight 11, 55 or 110 pounds
- 3 a ruler's length 2, 12 or 20 inches
- 4 a washing up bowl's capacity 1, 5 or 10 pints

Copy and complete.

- 5 20 inches \approx cm
- 6 12 pints \approx litres
- 7 15 miles \approx km
- 8 6.6 lb \approx kg
- 9 7 feet \approx m
- 10 8 gallons \approx litres
- 11 12 oz \approx g
- 12 100 yards \approx m
- 13 pounds \approx 20 kg
- 14 11 inches \approx cm
- 15 pints \approx 2.4 litres
- 16 miles \approx 80 km

C

Copy and complete by putting $>$ or $<$ in the box.

- 1 7 inches 18 cm
- 2 1.5 gallons 6.5 litres
- 3 240 miles 400 km
- 4 7.5 oz 220 g
- 5 28 000 feet 8 km
- 6 3 pints 2 litres
- 7 143 lb 66 kg
- 8 25 yards 22 m
- 9 4 gallons 20 litres
- 10 35 miles 55 km
- 11 9 oz 275 g
- 12 25 inches 60 cm
- 13 50 feet 15 m
- 14 9 lb 4 kg
- 15 40 yards 37 m
- 16 50 pints 32 litres
- 17 Rewrite Questions 1 to 4 in Section B, changing each measurement to the metric equivalent.