GCSE Maths: Imperial units and currency (Foundation): worksheet

GCSE Maths - Units and Compound Measures - Foundation - Lesson 16.3

Name: _____ Date: _____ Score: _____

12 questions. Write your answers in the spaces. Answers and step-by-step help are free at **websink.site/gcse/maths/ch16-units-compound-measures/foundation/imperial-units-and-currency/**

Exercise 16D Imperial units and currency

Calculator allowed

1 1 kg ≈ 2.2 pounds. Change 5 kg to pounds.

Answer:

2 Use 1 inch ≈ 2.5 cm, 1 mile ≈ 1.6 km and 1 kg ≈ 2.2 pounds to change:

(a) 20 inches to cm

Answer:

(b) 150 cm to inches

Answer:

(c) 30 miles to km

Answer:

(d) 72 km to miles

Answer:

(e) 10 kg to pounds

Answer:

(f) 33 pounds to kg

Answer:

3 Use the exact imperial facts to change (12 in = 1 ft, 3 ft = 1 yd, 14 lb = 1 st, 16 oz = 1 lb, 8 pints = 1 gallon):

(a) 4 feet to inches

Answer:

(b) 60 inches to feet

Answer:

(c) 3 yards to feet

Answer:

(d) 2 stone to pounds

Answer:

(e) 48 ounces to pounds

Answer:

(f) 24 pints to gallons

Answer:

4 The exchange rate is £1 = €1.15. Change:

(a) £40 to euros

Answer:

(b) £225 to euros

Answer:

(c) €92 to pounds

Answer:

(d) €172.50 to pounds

Answer:

5 **The exchange rate is £1 = $1.25. Change:**

(a) £64 to dollars

Answer:

(b) $135 to pounds

Answer:

(c) £18.40 to dollars

Answer:

6 **A hotel in Spain costs €85 per night. Work out the cost of 5 nights in pounds when £1 = €1.15. Give your answer to the nearest penny.**

Answer:

7 **A phone costs £480 in the UK and €540 in Spain. The exchange rate is £1 = €1.15. In which country is it cheaper, and by how much (to the nearest penny)?**

Answer:

8 **A speed limit sign in the UK says 30 mph. A sign abroad says 50 km/h. Which limit is higher? Use 1 mile ≈ 1.6 km.**

Answer:

9 **A recipe needs 8 ounces of butter. Sue has 200 g. Does she have enough? Use 1 ounce ≈ 28 g.**

Answer:

10 **Dan changes 100 euros to pounds by working out 100 × 1.15 = 115, when £1 = €1.15. Explain why his answer must be wrong and give the correct answer to the nearest penny.**

Answer:

11 **A bureau charges a fee of £6 and then changes the rest of the money at £1 = $1.28. Zara gives the bureau £300. How many dollars does she get?**

Answer:

12 **A boxer has mass 12 stone 6 pounds. (a) Write this in pounds. (b) Use 1 kg ≈ 2.2 pounds to change this to kilograms, to 1 decimal place.**

(a) In pounds

Answer:

(b) In kg

Answer:

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