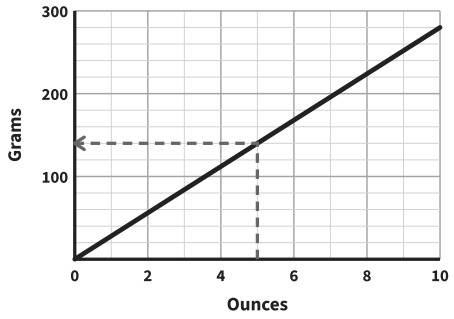
Conversion graphs

ANSWERS

1

Convert 5 ounces into grams.



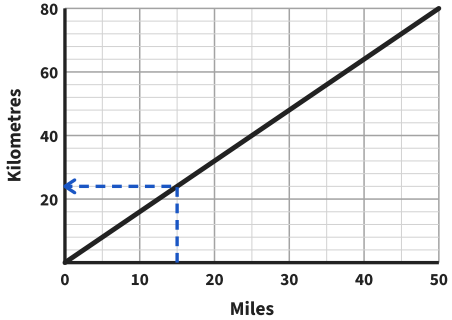
1 square across = 1 oz

1 square up = 20 g

5 ounces = 140 g

2

Convert 15 miles into kilometres.



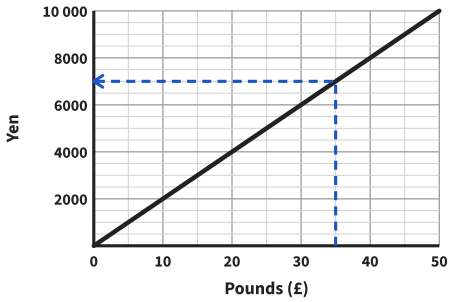
1 square across = 5 miles

1 square up = 4 km

15 miles = 24 km

3

Use the graph to convert £35 into yen.



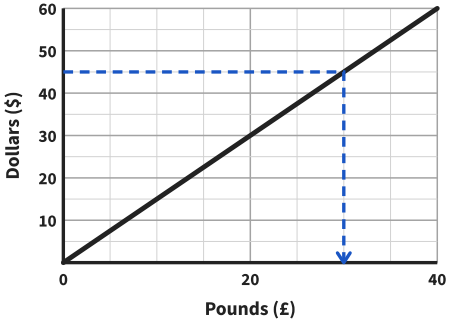
1 square across = 5 pounds

1 square up = 500 yen

£35 = 7000 yen

4 Notice the change!

Use the graph to convert $45 into pounds.



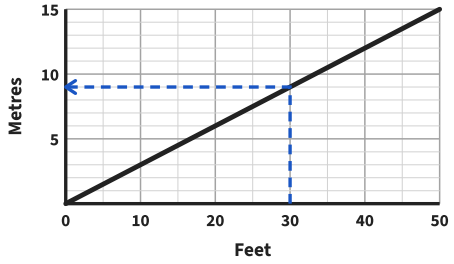
1 square up = 5 dollars

1 square across = 5 pounds

$45 = £30

5

The graph stops at 50 feet.
Convert 150 feet into metres.



30 feet = 9 m

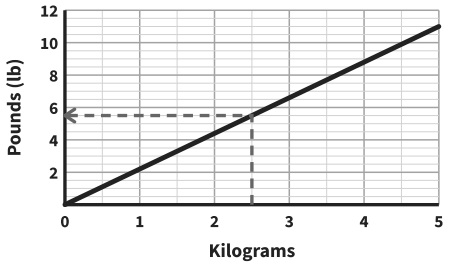
150 = 30 × 5

9 × 5 = 45

150 feet = 45 m

6

Ola converts 2.5 kg into pounds.
She lands 3 squares past 4, so she says 7 lb. What has she done wrong?



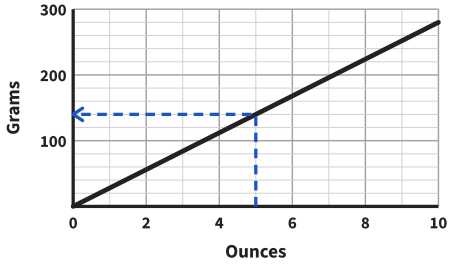
she counted each square as 1

1 square = 0.5, so 4 + 3 × 0.5

2.5 kg = 5.5 lb

7

A recipe needs 25 ounces of flour.
Use the graph to find how many grams that is.



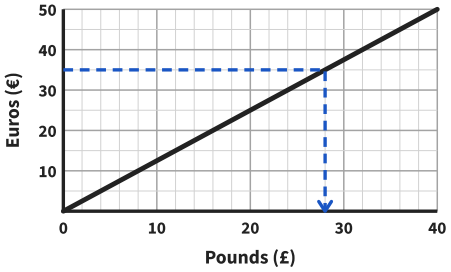
5 ounces = 140 g

25 = 5 × 5

25 ounces = 700 g

8

Use the graph to convert €350 into pounds.



€35 = £28

350 = 35 × 10

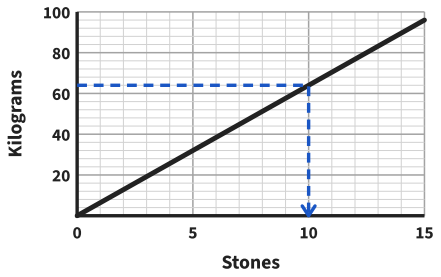
€350 = £280

Conversion graphs *further practice*

ANSWERS

9

Convert 64 kg into stones.



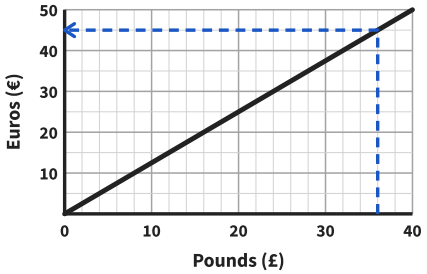
1 square up = 4 kg

across from 64, then down

Answer *10 stones*

10

Headphones cost £36 in Bath and €44 in Paris. Use the graph to say where they are cheaper.



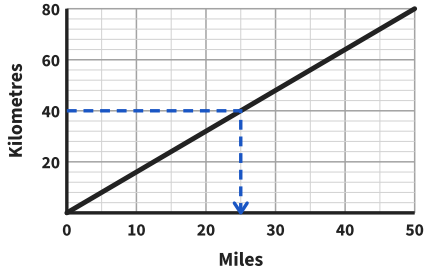
£36 = €45

€44 is less than €45

Answer *Paris*

11

The graph stops at 80 km.
Convert 400 km into miles.



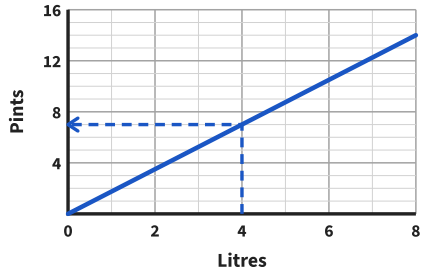
40 km = 25 miles

400 = 40 × 10, so 25 × 10

Answer *250 miles*

12

8 litres is about 14 pints.
Draw the conversion graph. Use it to convert 4 litres into pints.



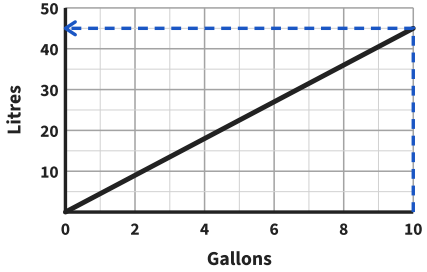
a straight line from (0, 0) to (8, 14)

up from 4, then across

Answer *7 pints*

13

A fish tank holds 20 gallons. Ed fills it with a 9 litre bucket.
How many buckets does he need?



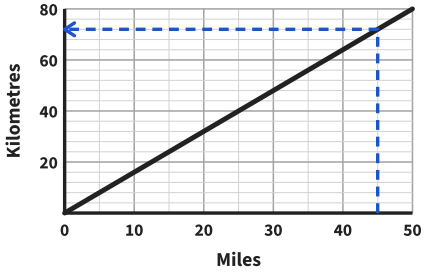
20 gallons = 2 × 45 = 90 litres

90 ÷ 9 = 10

Answer *10 buckets*

14

Which is further, 45 miles or 70 km?
Show how you know.



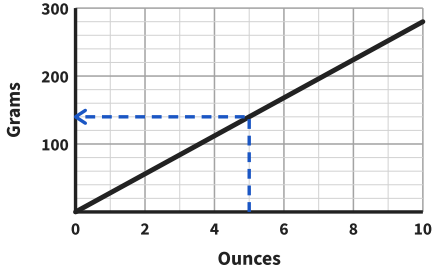
45 miles = 72 km

72 km is more than 70 km

Answer *45 miles*

15

A cake needs 15 ounces of butter.
Butter is sold in 250 g packs.
How many packs does Leah need?



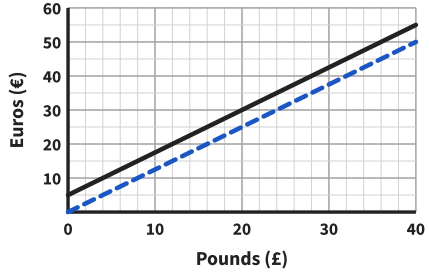
15 ounces = 3 × 140 = 420 g

1 pack is too little, so 2

Answer *2 packs*

16

Jack draws this graph to convert pounds into euros. Explain why his line must be wrong.



£0 is €0, but his line

starts at €5

Answer *it must go through (0, 0)*