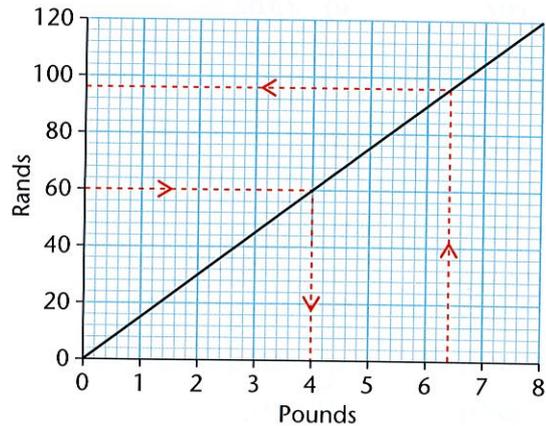
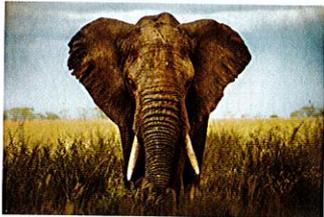


## TARGET To interpret conversion graphs involving currencies.

The currency used in South Africa is the rand. This graph converts pounds into rands.

60 rand converts to £4.

£6.40 converts to 96 rand.



### A

This graph converts pounds to US dollars.

1 Convert to the nearest dollar.

- |        |        |
|--------|--------|
| a) £36 | e) £56 |
| b) £16 | f) £24 |
| c) £60 | g) £4  |
| d) £28 | h) £48 |

2 Convert to the nearest pound.

- |               |               |
|---------------|---------------|
| a) 60 dollars | e) 30 dollars |
| b) 12 dollars | f) 36 dollars |
| c) 48 dollars | g) 18 dollars |
| d) 78 dollars | h) 66 dollars |

3 In New York a yellow cab fare was 10 dollars. How much would this be in pounds to the nearest 50 pence?

4 An American tourist in London pays his hotel bill of £72 in dollars. What does he pay?



graph converts pounds to Euros.

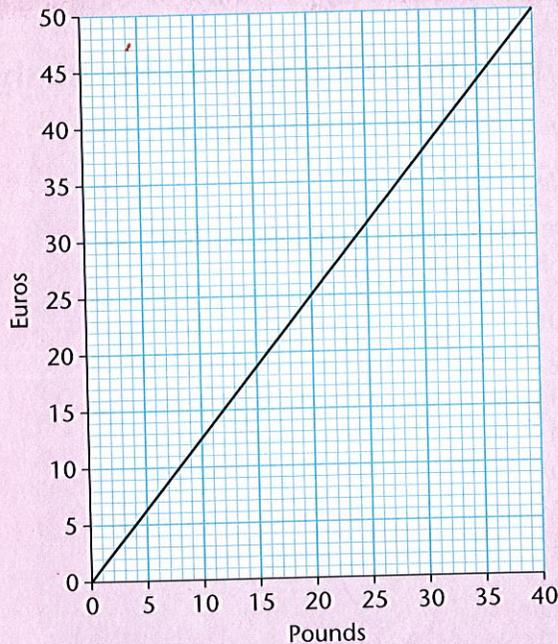
Convert to the nearest Euro.

- |        |        |
|--------|--------|
| a) £24 | e) £29 |
| b) £36 | f) £12 |
| c) £4  | g) £32 |
| d) £15 | h) £19 |

Convert to the nearest pound.

- |             |             |
|-------------|-------------|
| a) 50 Euros | e) 35 Euros |
| b) 25 Euros | f) 6 Euros  |
| c) 39 Euros | g) 20 Euros |
| d) 10 Euros | h) 44 Euros |

Sharon buys a handbag in Spain for 23 Euros. How much would this be in pounds to the nearest 50p?



- 1 Currency exchange rates often change. Draw a new conversion graph for converting pounds to Euros.
- Label the horizontal axis (pounds) in 10s to 100.
  - Label the vertical axis (Euros) in 10s to 120.
  - Plot the points (0, 0) and (100, 120).
  - Join the points with a straight line.

2 Use your graph to convert to the nearest Euro:

- |        |        |
|--------|--------|
| a) £40 | d) £68 |
| b) £80 | e) £10 |
| c) £50 | f) £90 |

3 Use your graph to convert to the nearest pound:

- |              |             |
|--------------|-------------|
| a) 24 Euros  | d) 84 Euros |
| b) 120 Euros | e) 36 Euros |
| c) 72 Euros  | f) 90 Euros |

- 4 Draw a conversion graph for converting pounds to Danish kroner.
- Label the horizontal axis (pounds) in 10s to 100.
  - Label the vertical axis (kroner) in 100s to 1000.
  - Join the points (0, 0) and (100, 920) with a straight line.

5 Use your graph to convert to the nearest 10 krone:

- |        |        |         |
|--------|--------|---------|
| a) £62 | c) £10 | e) £12  |
| b) £38 | d) £74 | f) £88. |

6 Use your graph to convert to the nearest pound:

- |               |                |
|---------------|----------------|
| a) 500 kroner | d) 280 kroner  |
| b) 680 kroner | e) 340 kroner  |
| c) 100 kroner | f) 580 kroner. |



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**B**

- 5 **A a)** (-1, 1)    **b)** (1, -1)    **c)** (-1, -1)  
**B a)** (1, 3)    **b)** (3, 1)    **c)** (1, -3)  
**C a)** (-2, -2)    **b)** (2, 2)    **c)** (-2, 2)  
**D a)** (0, -4)    **b)** (4, 0)    **c)** (0, 4)  
**E a)** (2, -3)    **b)** (-3, 2)    **c)** (-2, -3)  
**F a)** (4, -1)    **b)** (-1, 4)    **c)** (-4, -1)  
**G a)** (-2, 3)    **b)** (-3, 2)    **c)** (2, 3)  
**H a)** (0, 1)    **b)** (-1, 0)    **c)** (0, 1)

**C**

- 3 **a)** (-2, -2)    **b)** (2, -2)    **4 a)** (-1, 1)    **b)** (-1, -1)  
(0, -4)    (4, 0)    (0, 1)    (-1, 0)  
(1, -3)    (3, 1)    (0, 2)    (-2, 0)  
(1, -1)    (1, 1)    (2, 2)    (-2, 2)  
(0, 0)    (0, 0)    (2, 3)    (-3, 2)  
(0, -2)    (2, 0)    (0, 3)    (-3, 0)  
(0, 4)    (-4, 0)  
(-1, 4)    (-4, -1)

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**A**

- 1 **a)** 7    **b)** 14    **c)** 7    **d)** 90°  
2 Mr. Lee 375  
Mrs. Carr 300  
Mr. Sims 75  
3 **a)** 120    **b)** 60    **c)** 30    **d)** 45°

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**B**

- 1 **a)** Rangers 2    **2 a)** Size 1 9    **b)** 36°  
Rascals 6    Size 2 36    144°  
Rovers 12    Size 3 27    108°  
**b)** 36°    Size 4 18    72°  
3 **a)** A 60    E 120    I 60    O 30    U 30

**C**

- 1 **a)** brass 12    **2 a)** boiled 100    **b)** 72°  
percussion 3    fried 125    90°  
strings 30    poached 50    36°  
woodwind 15    scrambled 225    162°  
**b)** 18°  
3 **a)** 3 4 4 8 5 32 6 28 7 8

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**A**

- 1 **a)** beech 28    **2 a)** black 100    **3 a)** age 8 = 9  
elm 14    brown 80    age 9 = 12  
oak 14    grey 20    age 10 = 6  
**b)** 90°    **b)** 36°    age 11 = 3  
**b)** 72°

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**B**

- 1 **a)** £750    **2** 180°    **3** 1 person 60    **4** fish  $\frac{1}{8}$  45°  
**b)** £300    72°    2 people 30    paste  $\frac{1}{4}$  90°  
**c)** £450    108°    3 people 24    pizza  $\frac{1}{2}$  180°  
4 people 6    meat  $\frac{1}{8}$  45°

**C**

- 1 **a)** cream 32    **b)** 72°    **2 a)** goalie 6  
custard 64    144°    defence 8  
ice cream 56    126°    midfield 14  
plain 8    18°    forward 12  
3 **fiction**  $\frac{9}{20}$  162°  
non-fiction  $\frac{3}{10}$  108°  
children's  $\frac{2}{10}$  72°  
reference  $\frac{1}{20}$  18°

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**A**

- 1 **a)** 10 miles    **e)** 45 miles    **2 a)** 80 km    **e)** 8 km  
**b)** 25 miles    **f)** 30 miles    **b)** 24 km    **f)** 54 km  
**c)** 20 miles    **g)** 9 miles    **c)** 64 km    **g)** 30 km  
**d)** 35 miles    **h)** 16 miles    **d)** 34 km    **h)** 74 km  
3 26 miles  
4 14 km

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**B**

- 1 **a)** 140 g    **e)** 660 g    **2 a)** 21 oz    **e)** 7 oz  
**b)** 800 g    **f)** 540 g    **b)** 11 oz    **f)** 19 oz  
**c)** 260 g    **g)** 400 g    **c)** 26 oz    **g)** 34 oz  
**d)** 1000 g    **h)** 940 g    **d)** 16 oz    **h)** 2 oz  
3 860 g (allow 850 g)

**C**

- 2 **a)** 8 gallons    **3 a)** 27 litres  
**b)** 5.1 gallons    **b)** 37 litres  
**c)** 0.2 gallons    **c)** 11 litres  
**d)** 9.6 gallons (allow 9.5)    **d)** 18 litres  
**e)** 2 gallons    **e)** 25 litres  
**f)** 2.9 gallons    **f)** 8 litres  
5 **a)** 25 cm    **6 a)** 1 ft 8 inches  
**b)** 60 cm    **b)** 8 inches  
**c)** 40 cm    **c)** 3 ft  
**d)** 10 cm    **d)** 3 inches  
**e)** 95 cm    **e)** 2 ft 5 inches  
**f)** 80 cm    **f)** 1 ft

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**A**

- 1 **a)** 45 dollars    **e)** 70 dollars    **2 a)** £48    **e)** £24  
**b)** 20 dollars    **f)** 30 dollars    **b)** £10    **f)** £29  
**c)** 75 dollars    **g)** 5 dollars    **c)** £38    **g)** £14  
**d)** 35 dollars    **h)** 60 dollars    **d)** £62    **h)** £53  
3 £8  
4 90 dollars

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**B**

- 1 **a)** 30 Euros    **e)** 36 Euros    **2 a)** £40    **e)** £28  
**b)** 45 Euros    **f)** 15 Euros    **b)** £20    **f)** £5  
**c)** 5 Euros    **g)** 40 Euros    **c)** £31    **g)** £16  
**d)** 19 Euros    **h)** 24 Euros    **d)** £8    **h)** £35  
3 £18.50

**C**

- 2 **a)** 48 Euros    **d)** 82 Euros    **5 a)** 570 krone    **d)** 680 krone  
**b)** 96 Euros    **e)** 12 Euros    **b)** 350 krone    **e)** 110 krone  
**c)** 60 Euros    **f)** 108 Euros    **c)** 90 krone    **f)** 810 krone  
3 **a)** £20    **d)** £70    **6 a)** £54    **d)** £30  
**b)** £100    **e)** £30    **b)** £74    **e)** £37  
**c)** £60    **f)** £75    **c)** £11    **f)** £63