

# NUMERACY

# Year 8

First name \_\_\_\_\_

Last name \_\_\_\_\_

School \_\_\_\_\_

Class \_\_\_\_\_

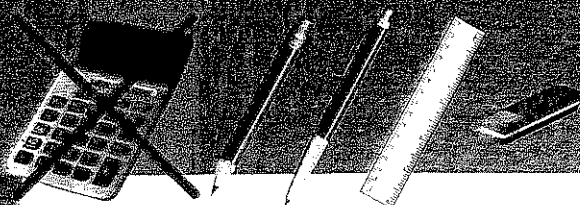
Date of birth

Date of test

Total score  (maximum 36)



National Numeracy Tests



Llywodraeth Cymru  
Welsh Government

1

Costs
£42.19
£29.79
£56.45
£72.99

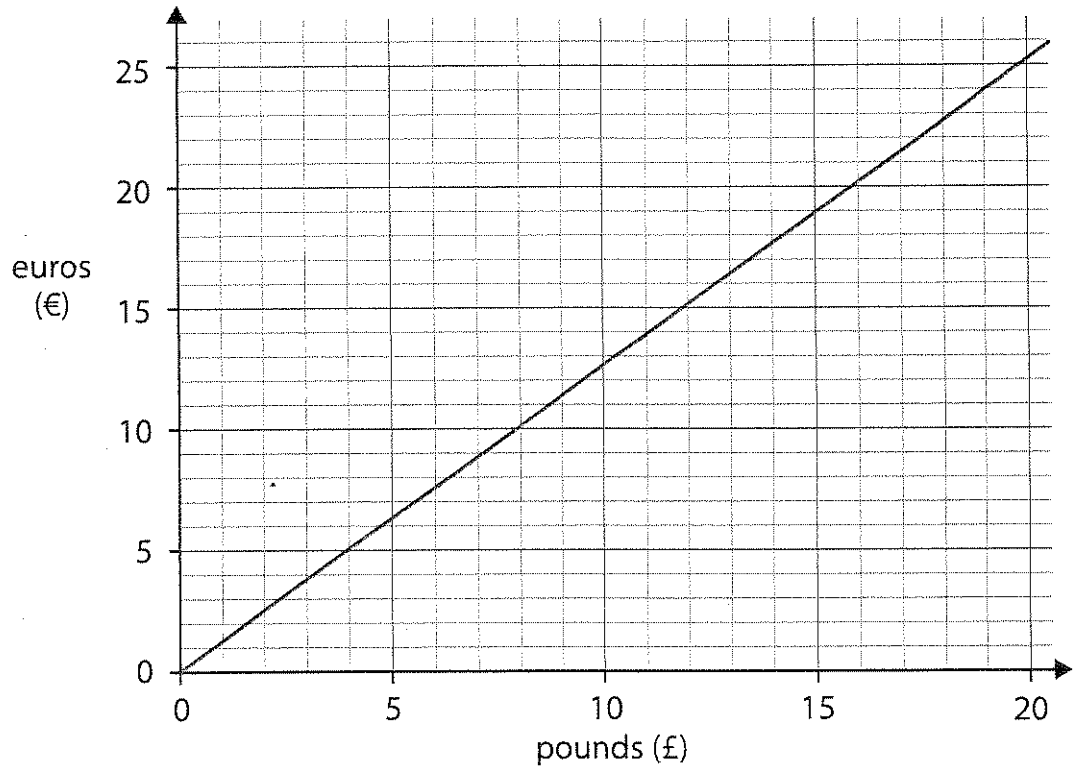
Estimate the total cost.

£

1m

2

Exchange rate graph for pounds (£) and euros (€)



£15 =  €

1m

£ = 40€

1m

3

629 - 32.5 =

1m

4

% of 800g = 200g

1m

20% of £90 = £

1m

5

Write <, > or = in each box.

20%  0.02

0.7   $\frac{4}{5}$

$\frac{1}{8}$   15%

95%   $\frac{19}{20}$

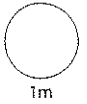
2m

TOTAL  
5m

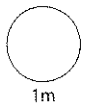
6 A calculator shows:



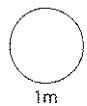
Round the number to **2 decimal places**.



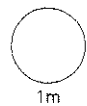
Round the number to **2 significant figures**.



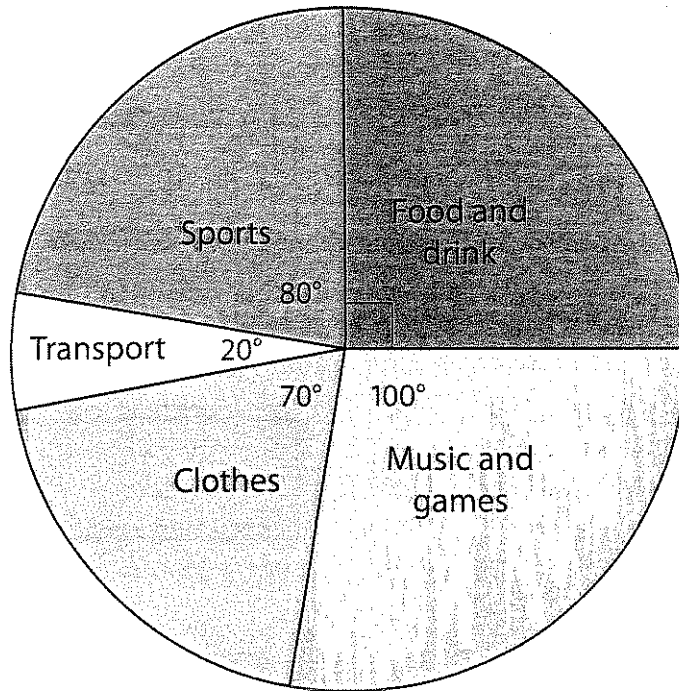
7 How many **quarters** are there in  $5\frac{3}{4}$ ?



Write  $\frac{30}{7}$  as a mixed number.

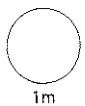


### How Lauren spent her pocket money



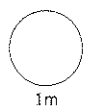
What **fraction** did Lauren spend on **sports**?

Write the fraction in its simplest form.



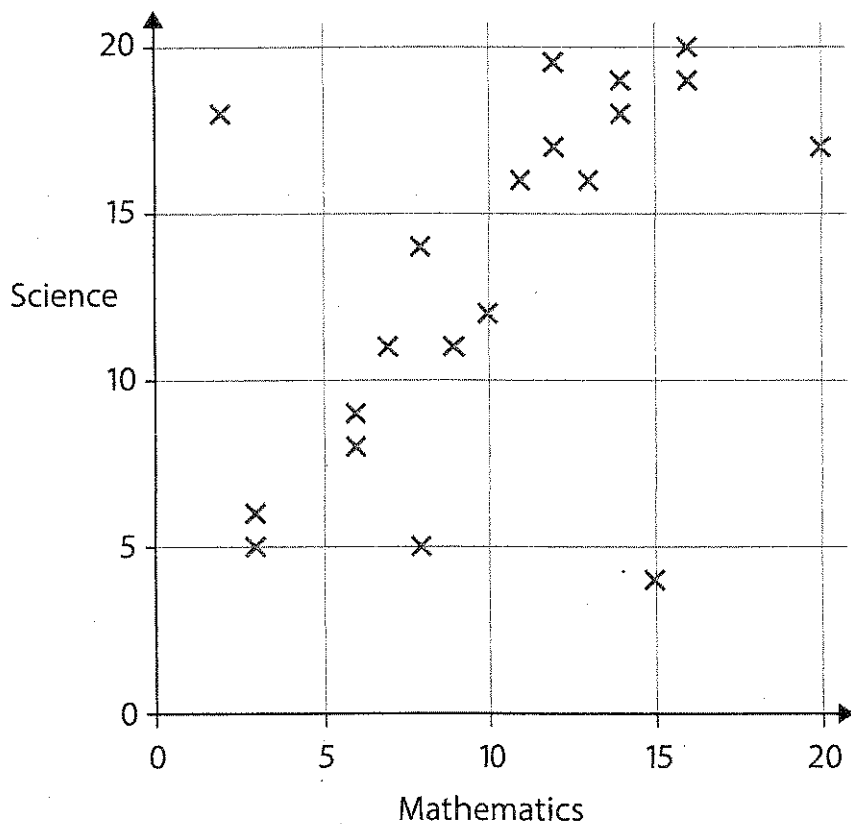
Lauren spent £14 on **clothes**.

How much did she spend on **transport**?





Marks for class 9A in science and mathematics tests



How many pupils got **more** marks in mathematics than science?

pupils



One pupil was ill in the mathematics test.

Circle the point on the graph that is most likely to show this pupil.



What kind of **correlation** does the scatter graph show?

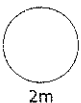
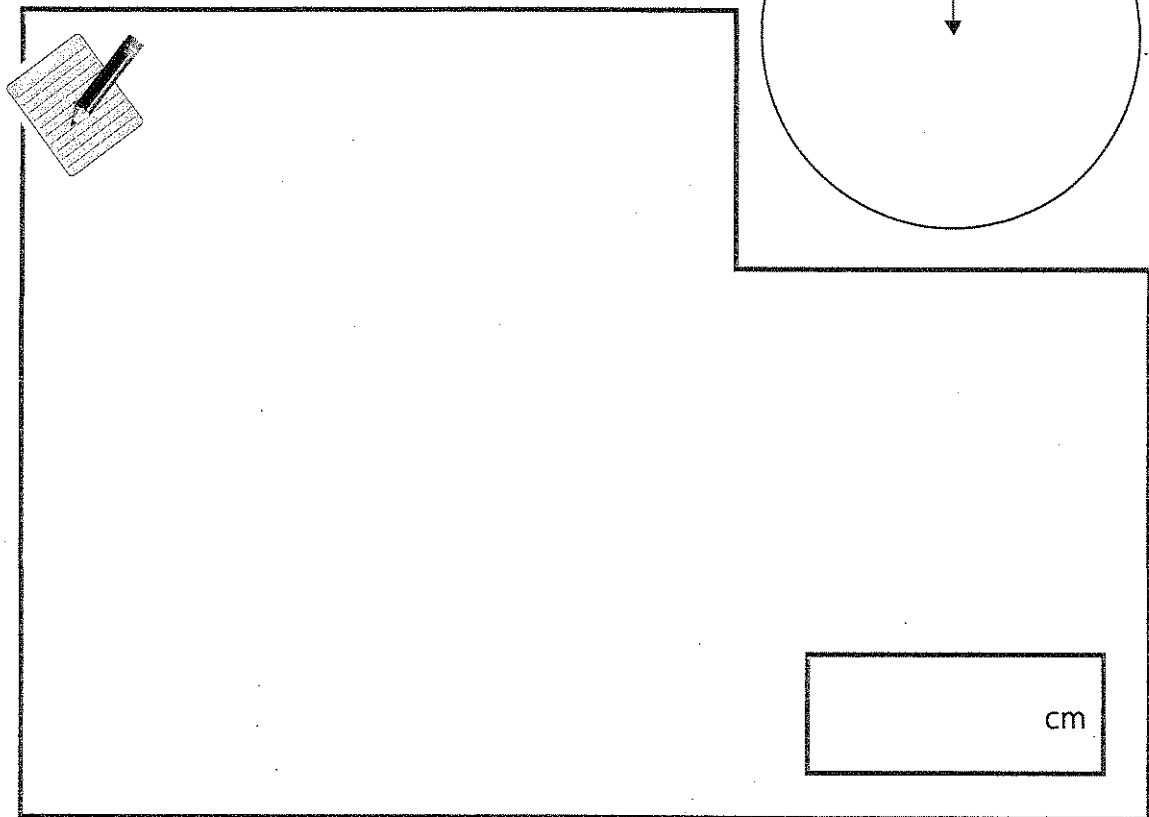


TOTAL



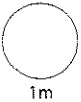
13 Work out the **circumference** of the circle.

Use  $\pi = 3.14$

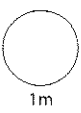


14

The **cube root** of 8 is



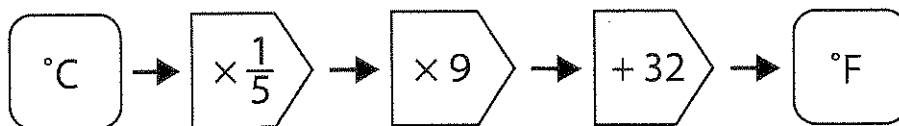
The **reciprocal** of  $\frac{2}{3}$  is





15

Formula to change temperature in °C to °F



What is 30°C in °F?

°F

2m

16

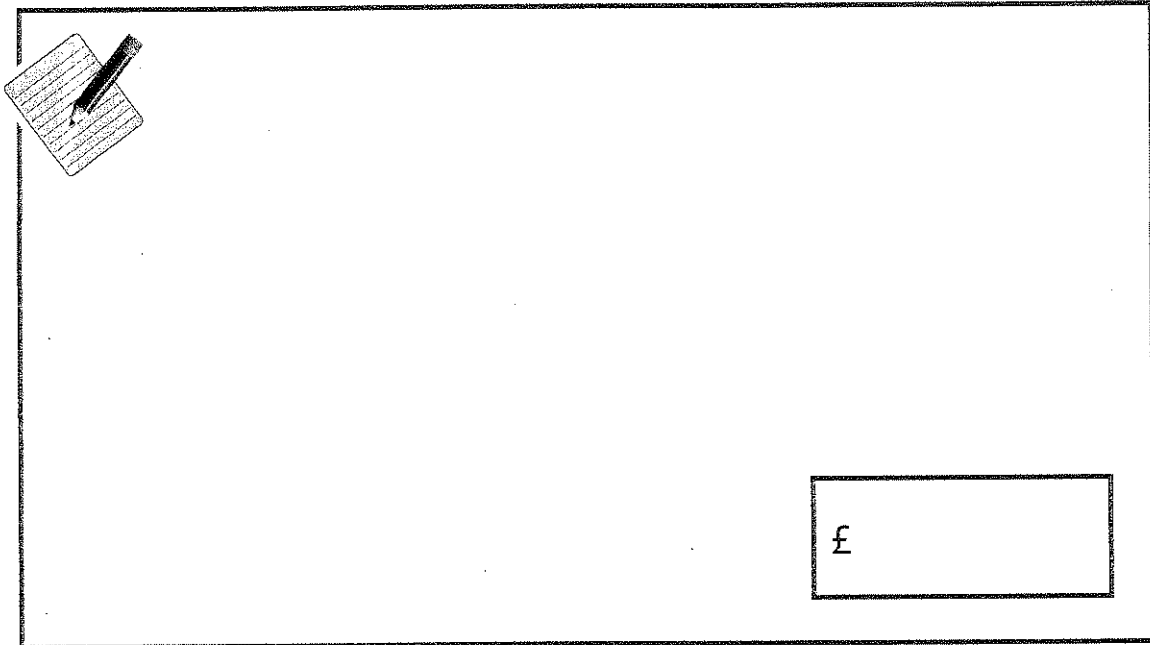
$0.4 \times 0.2 =$

1m

17 David invests £250 in an account.

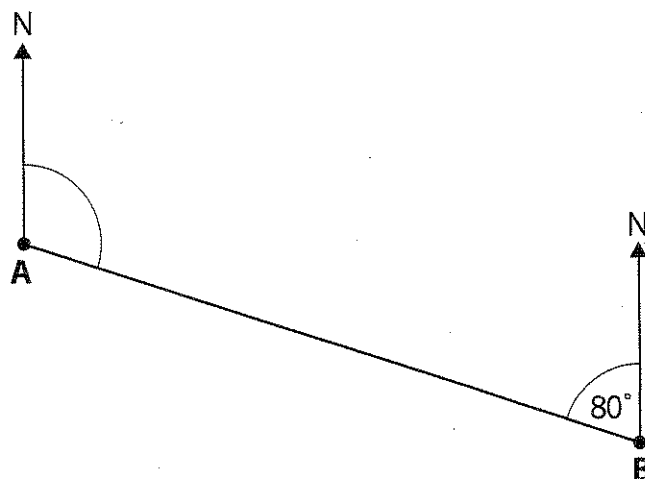
After a year, the amount has **decreased** by 3%.

How much money is there now?



2m

18 What is the bearing of **B** from **A**?

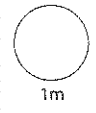
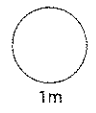


1m

19

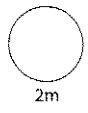

$10^5 \times 10^2 =$

$10^9 \div 10^3 =$



20

Work out  $11.07 \div 0.9$



21

Complete the table.

Number	Standard form
40 000	$4 \times 10^4$
	$3.9 \times 10^6$

