

Procedural Revision

8

Year 9

Q1 Number Facts

Work out the:

Cube root of 125

5

Q2 Number Facts

Work out:

$$19.7 \times 0.6 = 11.82$$

Q3 Number Facts

Work out:

$$? - 21.6 = 53.9$$

75.5

Q4 Number Facts

Work out:

$$10^8 \times 10^3 = 10^{11}$$

Q5 Number Facts

Complete this table:

Number	Standard Form
560000	5.6×10^5
274000	2.74×10^5

Q6 Fractions, Decimals, Percentages & Ratio

Express 30 out of 500 as a percentage

6%

Q7 Fractions, Decimals, Percentages & Ratio

Write $<$, $>$ or $=$ in the middle box

5%	=	0.05
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Q8 Fractions, Decimals, Percentages & Ratio

How many quarters are in $6\frac{3}{4}$?

27

Q9 Fractions, Decimals, Percentages & Ratio

David invests £3750 in an account.

After a year the amount has **decreased** by 8% .

How much money is in the account now? **£3450**

Q10 Fractions, Decimals, Percentages & Ratio

25 cakes require 150g of flour.

How much flour is needed for 50 cakes? **300g**

Q11 Mental & Written Methods

Work out:

$$1024 - 84.2 = 939.8$$

Q12 Estimate & Check

Work out:

$$132 \div 3.3 = 40$$

Q13 Mental & Written Methods

Work out:

$$3^2 \times 2^5 = 288$$

Q14 Estimate & Check

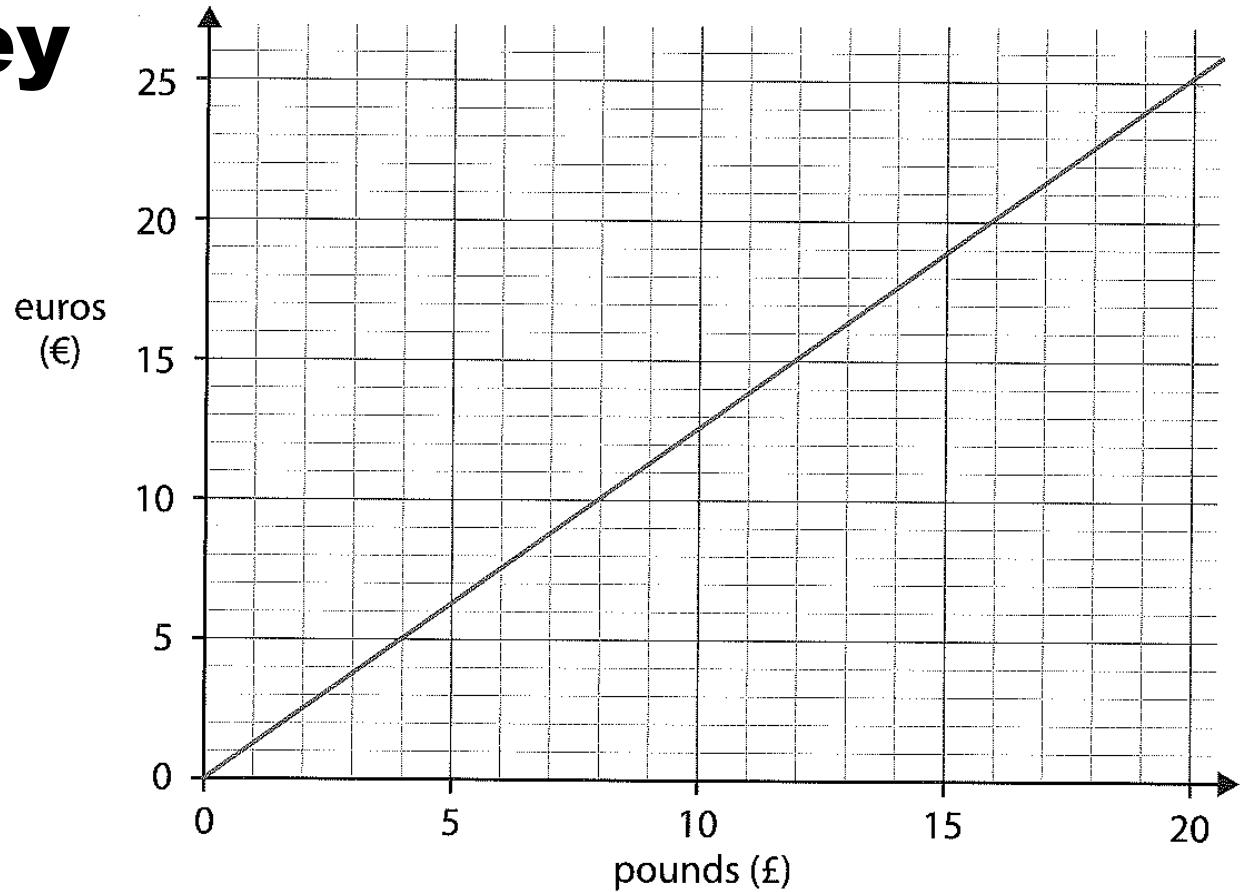
A calculator shows 15.635

Round to 2 decimal places

15.64

Q15 Money

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



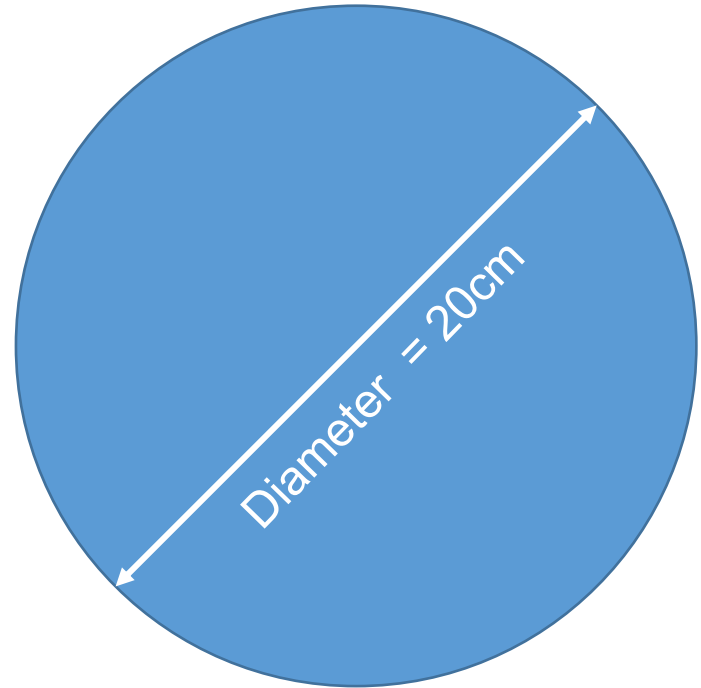
$$€ 24 = £19$$

Q16 Length, Weight & Capacity

Find the
circumference

Use $\pi = 3.14$

62.8cm



Q17 Length, Weight & Capacity

500 grams of potatoes cost £1.20

How much will 3.5kg cost?

$$7 \times £1.20 = £8.40$$

Q18 Length, Weight & Capacity

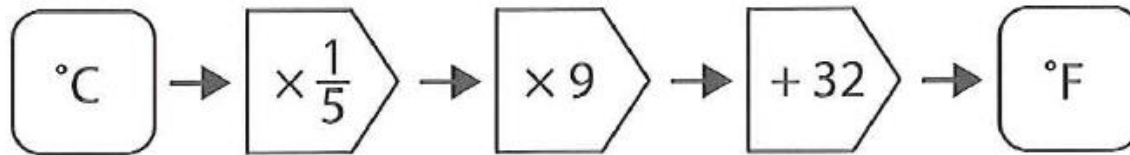
A car travels 135 miles in 3 hours.

What is its average speed?

45mph

Q19 Temperature

Formula to change temperature in °C to °F



Convert:

55°C to °F

131°F

Q20 Area & Volume

Find the **area** of this circle.

Use $\pi = 3.14$

78.5cm²

