National Numeracy Tests

PROCEDURAL

9EP15

First name _____

Last name _____

School _____

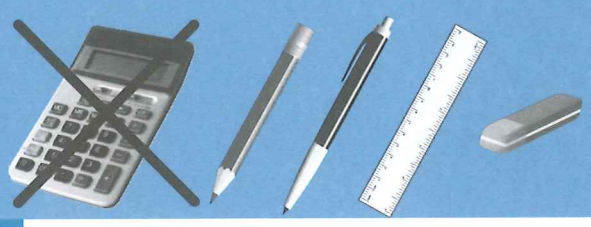
Class _____

Date of birth ◯◯ ◯◯ ◯◯◯◯

Date of test ◯◯ ◯◯ 2015

Total score ◯ (maximum 36)

128918



Llywodraeth Cymru
Welsh Government

1 25% of 200g = ☐ g

1m

☐ % of 200g = 20g

1m

---

2 Tomato plants are sold in trays of 12

Dai wants 100 tomato plants.

How many trays should he buy?

☐ trays

1m

---

3 ☐ ÷ 3 + 40 = 100

1m

4

Hiring cost £32 for every 30 minutes	

How much is the hiring cost for $2\frac{1}{2}$ hours?

£

1m

5

1000 − 19.3 + 24.7 =

1m

6 Circle the value below that is equivalent to 4%.

4.0 0.4 4.00 0.04 0.004

1m

7 Insert one pair of brackets to make the calculation correct.

90 × 4 + 6 ÷ 2 = 450

1m

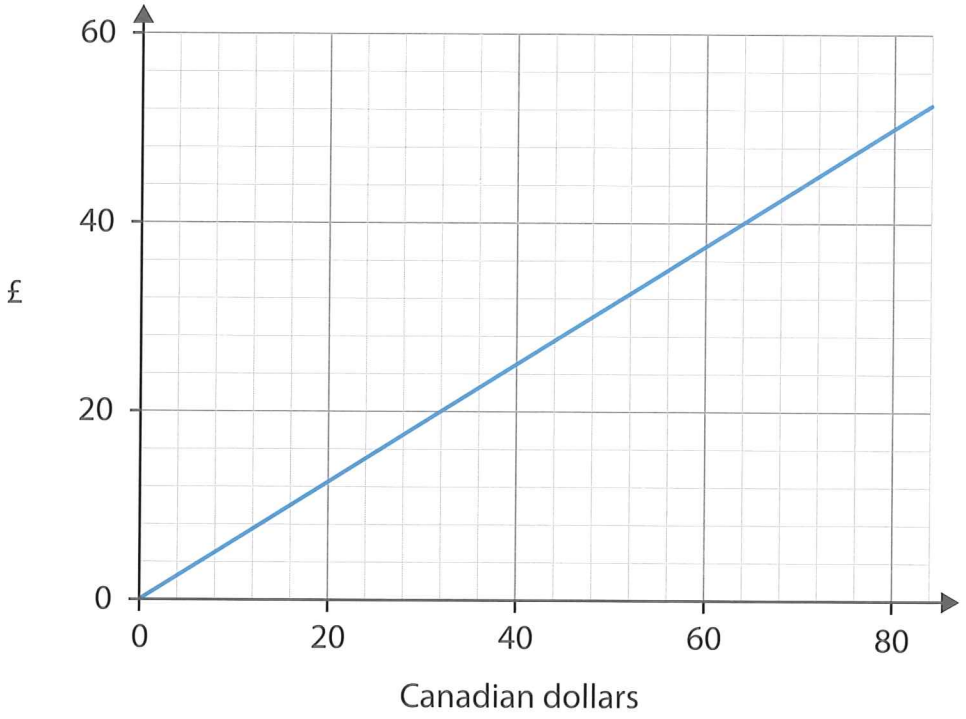
TOTAL

8m

8 20% of 60 = 40% of ☐

1m

9 **Graph to change Canadian dollars to £**



32 Canadian dollars = £ ☐

1m

☐ Canadian dollars = £100

1m

10

Jacket:	£29.99
Skirt:	£14.99
Jumper:	£14.95
Tie:	£4.99

Mrs Jones wants to buy the jacket, skirt, jumper and tie.

Estimate, to the nearest £, her change from £100

£

1m

11 On Nia's map, 4cm represents 1km.

She walks a route that measures 24cm on the map.

How many kilometres does she walk?

km

1m

Nia walks at an average speed of 5km per hour.

At that speed, how long would a walk of $7\frac{1}{2}$ km take?

hours

1m

TOTAL

6m

12 $1 : 5 \quad = \quad \square : 3$

1m

13 $\frac{1}{4} \times \frac{1}{4} = \square$

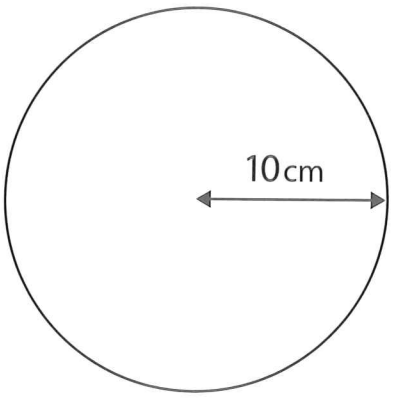
1m

$(\frac{3}{4})^2 = \square$

1m

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

Use $\pi = 3.14$



cm

2m

15 $0.3 \times 0.2 =$ ☐ 1m

$5 \div 0.05 =$ ☐ 1m

16 Decrease £35 by 10%.

£ ☐ 1m

17 $2^3 \times 2^4 =$ ☐ 1m

$2^{10} \div 2^7 =$ ☐ 1m

TOTAL 10m

18 **Top 14 winners of Olympic medals for athletics**

Number of athletes	Number of medals each athlete won
1	22
1	18
1	15
3	14
8	12

What fraction of these 14 athletes won **more than** 12 medals?

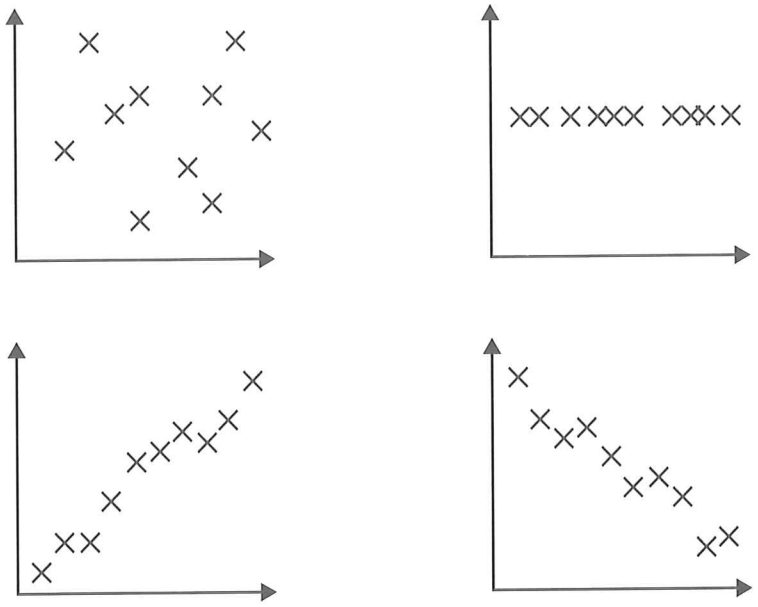
1m

Altogether, how many medals did the 14 athletes win?

medals

2m

19 Tick the scatter graph that shows **negative** correlation.



1m

20

Formula to change temperature in °C to °F

Multiply the temperature in °C by $\frac{9}{5}$, then add 32

Change −10°C to °F.

°F

2m

TOTAL

6m

21

Before a pay rise	After a pay rise
£8.00 per hour	£8.25 per hour

Circle the value that shows the approximate **percentage increase**.

1% 3% 5% 7% 9%

1m

22 Write the fraction that is exactly **halfway** between $\frac{1}{10}$ and $\frac{3}{5}$

2m

23 $\frac{1}{3} = 0.\dot{3}$

What fraction is equal to $0.0\dot{3}$?

1m

24 The table shows information about a group of teenagers.

Their **mean** age	**Range** of their ages
17 years and 6 months	3 years and 3 months

Complete the table to show information about the **same group** of teenagers exactly **one year later.**

Their **mean** age	**Range** of their ages
years and months	years and months

2m

TOTAL

6m

© Crown copyright 2015