National Numeracy Tests

PROCEDURAL

8EP18

First name _____

Last name _____

School _____

Class _____

Date of birth ○○ ○○ ○○○○

Date of test ○○ ○○ 2018

Total score ○ (maximum 36)

165121

Llywodraeth Cymru
Welsh Government

1 $7.8 + 0.78 =$ ☐ 1m

$7.8 - 0.78 =$ ☐ 1m

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2 Hassan works out an answer to a time calculation.

His answer is 6.5 hours.

This represents 6 hours and ☐ minutes. 1m

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3 25% of 80 = ☐ 1m

30% of 80 = ☐ 1m

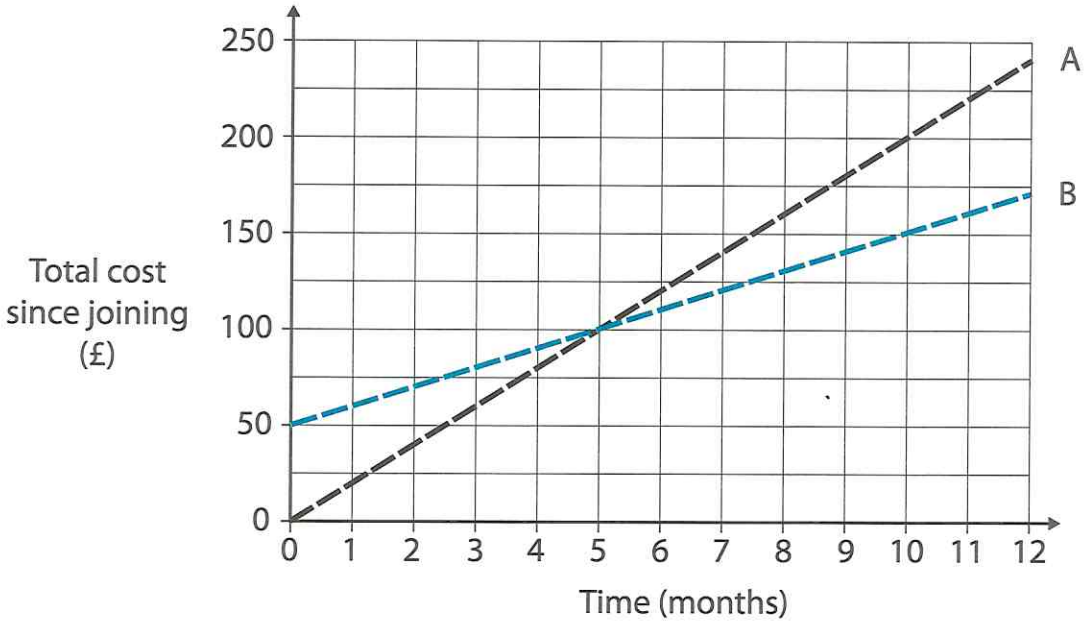
4 Hywel wants to join his local leisure centre.

He can pay in two different ways:

Method A: £20 per month

Method B: first month £50 then £10 per month.

The graph shows this information.



After ☐ months, the total cost for method A is the **same** as the total cost for method B.

1m

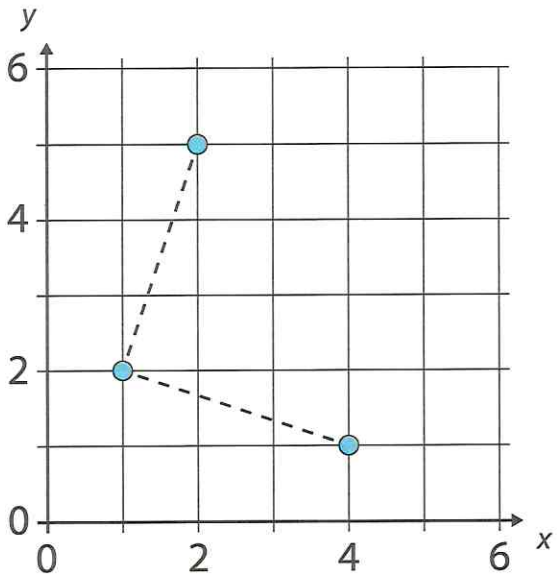
After 10 months, the total cost for method B is

£ ☐ **cheaper** than the total cost for method A.

1m

TOTAL 7m

5 The diagram shows three points. You need one more point to make a square.



Write the coordinates of the missing point.

(,)

1m

6

A pack of butter costs £1.10 for 250 **grams**.

What is the cost of 1 **kilogram** of this butter?

£

1m

7 $18 + 2 \times 10 =$ ☐

1m

8

Cakes: £1.49 each

Bronwen has £15

What is the greatest number of these cakes that she can buy?

☐ cakes

1m

9 Jacob's train leaves Fishguard at 06:53

The journey to Holyhead lasts 8 hours and 15 minutes.

At what time does Jacob arrive at Holyhead?

☐ : ☐

1m

TOTAL

5m

10 30 increased by 10% = ☐ 1m

50 decreased by ☐ % = 40 1m

11 1 inch = 0.0254 metres

Convert 15 inches to metres.

metres 2m

This formula converts pints to litres:

litres = pints ÷ 1.7598

Write a formula to convert litres to pints.

pints = 1m

12 6.862 to 3 significant figures is ☐

6.862 to 2 significant figures is ☐

6.862 to 1 significant figure is ☐

2m

13 A car park has reserved spaces for disabled people.

The ratio of reserved spaces to other spaces is 1 : 24

The car park has 300 spaces.

How many of these are reserved spaces?

☐ reserved spaces

2m

TOTAL

9m

14 Write $\frac{9}{54}$ as a fraction in its simplest form.

—

1m

Write $\frac{1}{8}$ as a percentage.

%

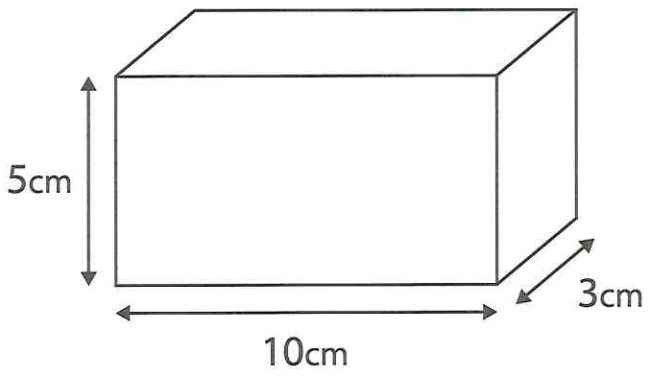
1m

Work out the number of fifths in $2\frac{3}{5}$

1m

15 What is the **volume** of this cuboid?

Remember to write units with your answer.



2m

16 Write the final balance for this bank statement.

Date	Description	Paid out	Paid in	Balance
3 May	Opening balance			£290.00
3 May	Jones P		£67.00	
3 May	Powell L		£33.00	
3 May	Campbell D	£20.00		
3 May	**Final balance**			

1m

17 Calculate 2856 ÷ 51

2m

TOTAL

8m

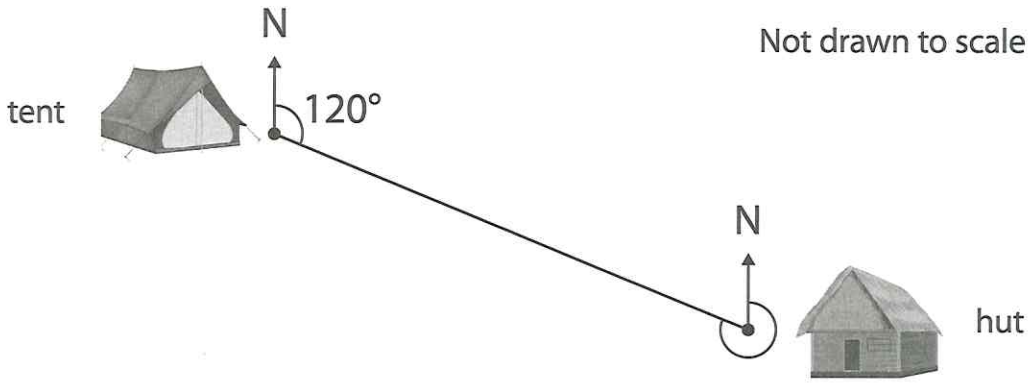
18 A triangle has an area of $35cm^2$

What could its dimensions be?

base = ☐ cm height = ☐ cm

1m

19 The bearing of the hut from the tent is 120°



The bearing of the tent from the hut is ☐ °

1m

20 The **square root** of 100 is ☐

1m

Use consecutive whole numbers to complete the sentence below.

The **cube root of** 100 is between ☐ and ☐

1m

21 The reciprocal of 5 is 0.2

Write the reciprocal of 4 as a decimal.

1m

22 Lauren throws a four-sided dice 20 times.

The table shows the results.

Score	Frequency
1	6
2	5
3	4
4	5
	Total 20

What is the mean score?

2m

TOTAL

7m

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