# NUMERACY

# 7EP13

First name _____

Last name _____

School _____

Class _____

Date of birth ◯◯ ◯◯ ◯◯◯◯

Date of test ◯◯ ⓪⑤ ②⓪①③

Total score ◯ (maximum 35)
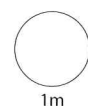
**1** Number machine:

in → [×6] → out
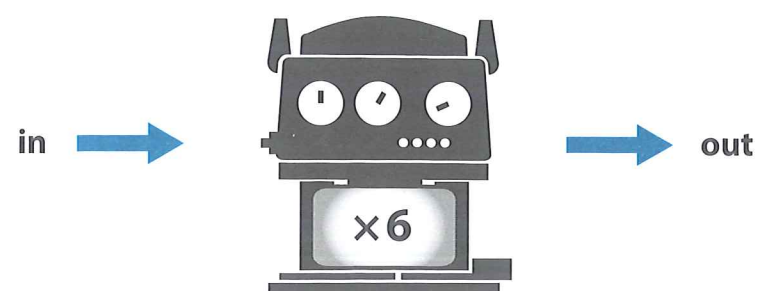
8 goes **in**. What number comes out?

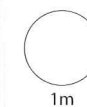[          ]
1m
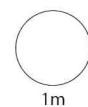
120 comes **out**. What number went in?

[          ]
1m

**2** What is the size of angle $a$?

$a =$ [          ] °
1m
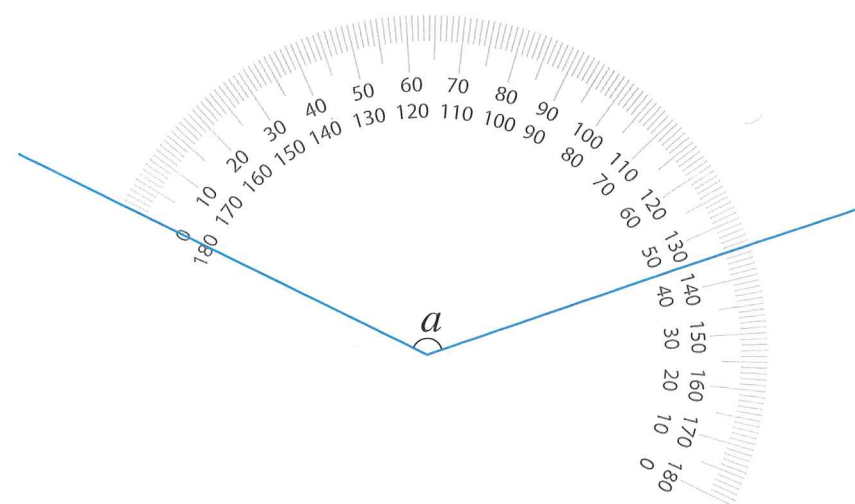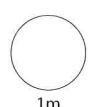
**3** Circle all the **factors** of 12

| 1 | 2 | 3 | 4 | 5 | 6 |

| 7 | 8 | 9 | 10 | 11 | 12 |

1m

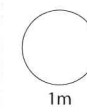Write two **multiples** of 12

[          ] and [          ]
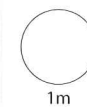1m
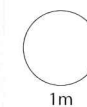
**4** Write **double** five hundred thousand in figures.

[          ]
1m

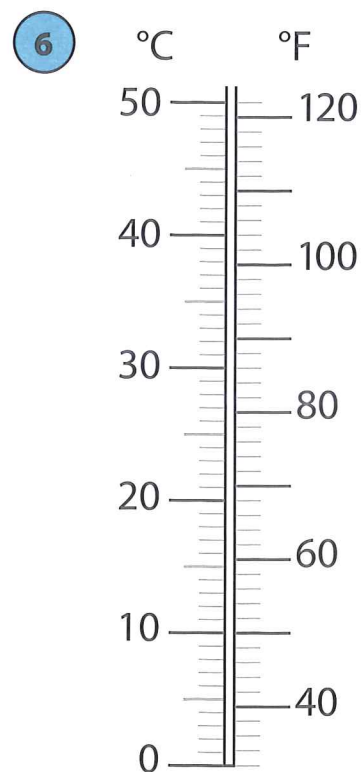Write **half** of three hundred thousand in figures.

[          ]
1m

**5** Carys has £120

She spends £49.99

How much is left?

£ [          ]
1m

TOTAL
8m

**6**

°C   °F

50 — 120

40 — 100

30 — 80

20 — 60

10 — 40

0

$10°C$  =  [      ] °F   (1m)

[      ] °C  =  86°F   (1m)

**7**

0.15  +  [      ]  =  1   (1m)

0.675  +  [      ]  =  1   (1m)
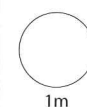
**8**

£1.98   £2.05   £7.48   £9.90   £4.53

**Estimate** the total amount.

£ [      ]   (1m)

**9**  Circle all the numbers that are divisible by **both** 4 and 5
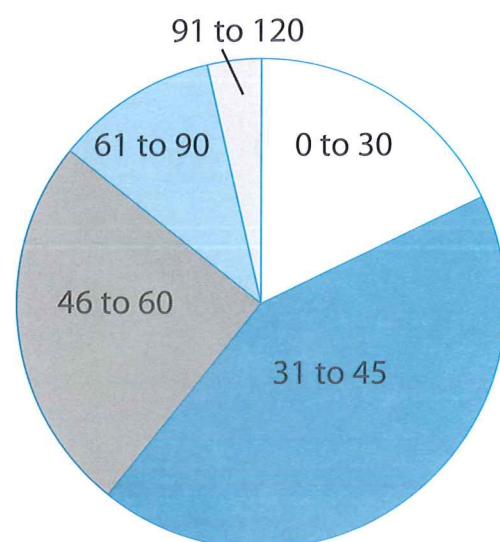
8        10        20

50        80        120
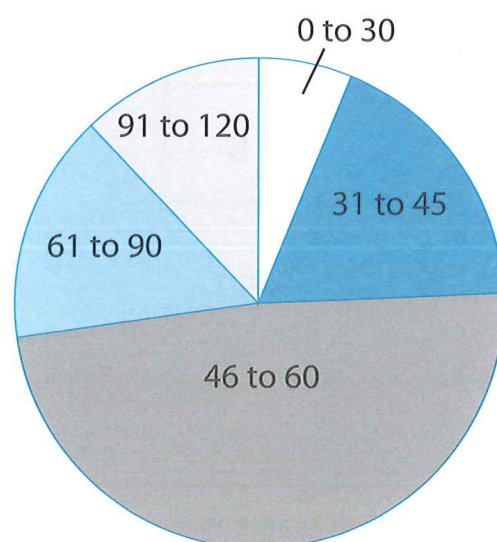
(1m)

**10**

$4 \times 3 + 7 \times 3 =$  [      ]   (1m)

**11**  Round 0.8127 to **3** decimal places.

[      ]   (1m)

TOTAL

**(12)**

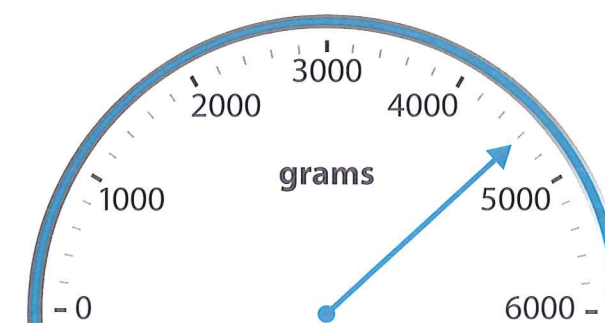**Homework time at the weekend (in minutes)**

Group A

Group B

Group ☐ has a **modal** class of 31 to 45 minutes.

Group ☐ spends **more** time on homework in general.

Complete this sentence for Group A.

$\frac{1}{4}$ of the pupils did homework for ☐ to ☐ minutes.

**(13)**

grams

How many **grams** does the arrow show?

☐ grams

Write this in **kilograms**.

☐ kilograms

**(14)**

9.485 seconds

Round this time to the nearest **tenth** of a second.

☐ seconds

**(15)**

17 ÷ 0.5 = ☐

3 ÷ 0.2 = ☐

1m

1m

1m

1m

1m

1m

1m

TOTAL
7m

**16**
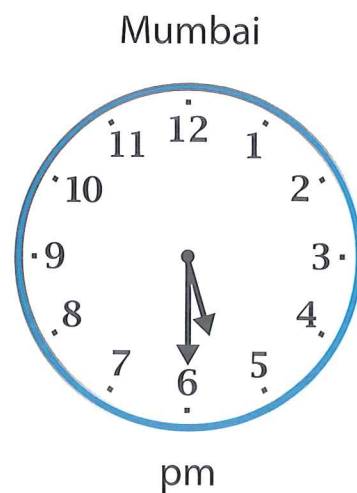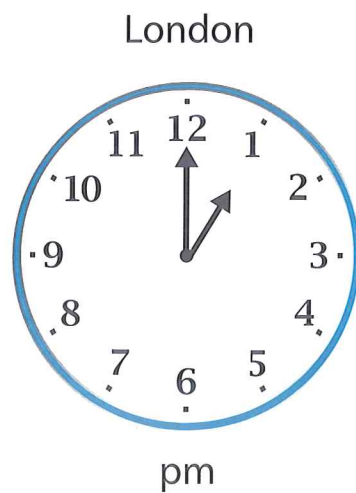
London

Mumbai

The time in London is $4\frac{1}{2}$ hours **behind** the time in Mumbai.

At | 6 : 45 | am | in London, it is | : | | in Mumbai.

⭘ 1m

At | : | | in London, it is | 2 : 00 | pm | in Mumbai.

⭘ 1m

**17**

$\frac{3}{5}$ = [ ] = [ ] %

Fraction    Decimal    Percentage

⭘ 1m

**18** Scores on a computer game:

21          23          18          17          21

What is the **mean** score?

⭘ 2m

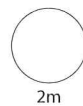**19** Work out the **area** of the triangle.
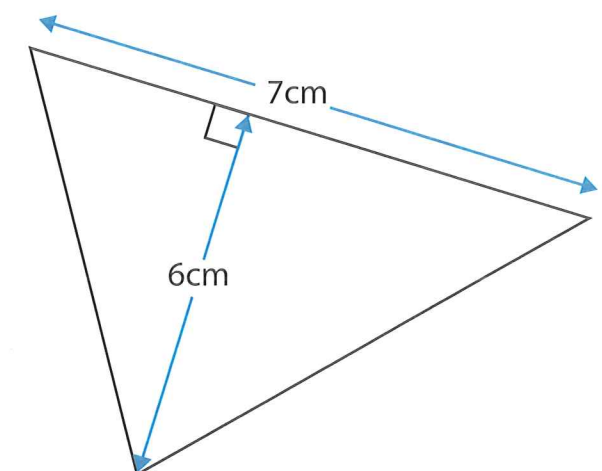
7cm

6cm

[ ] cm²

⭘ 1m

8

9

TOTAL
⭘
6m

**20** Work out $352 \div 16$



2m

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**21** Complete the table.

| Map distance | Real-life distance | Scale |
|---|---|---|
| 1cm | 1m | 1 : 100 |
| 8cm | 240cm | 1 : _____ |

1m
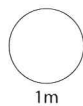
**22** Write in order.

$\frac{1}{3}$    $\frac{1}{5}$    $\frac{3}{10}$

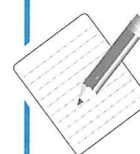|  |  |  |
|---|---|---|

**smallest**              **largest**

1m

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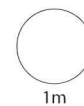
**23** There are 150 books on a bookshelf.

2% of the books are about cars.

How many of the books are about cars?

books

2m

TOTAL

6m