

National Numeracy Tests

PROCEDURAL

2EP17

First name _____

Last name _____

School _____

Class _____

Date of birth ○○ ○○ ○○○○

Date of test ○○ 05 2017

Total score (maximum 28)

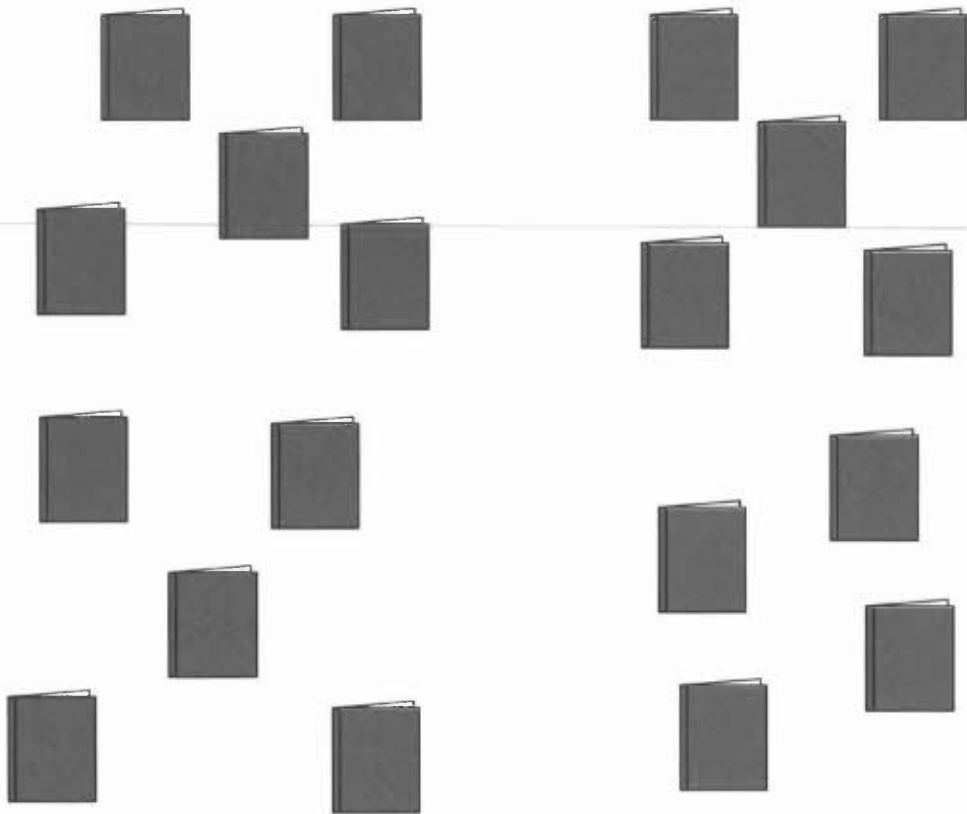


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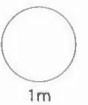
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1



How many books altogether?

books

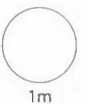


2 Write in order.

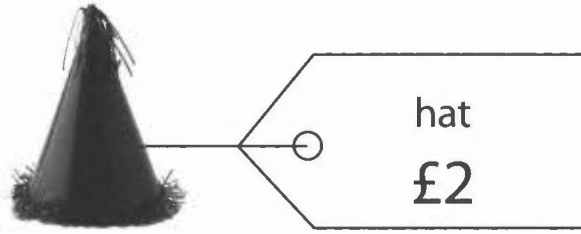
74 46 35 68

smallest

largest



3



One hat costs £2

How much do 9 hats cost?

1m

Elen spends £12 on these hats.

How many hats does she buy?

1m

4

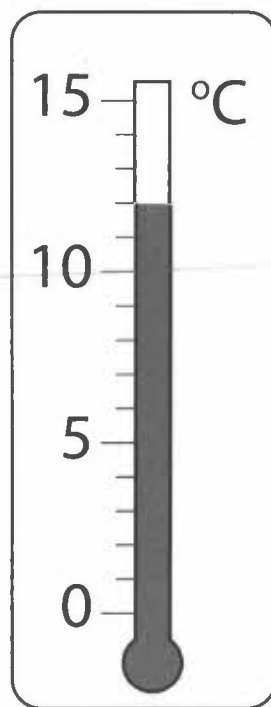
$$73 + 6 =$$

1m

$$58 - 4 =$$

1m

5 Look at the thermometer.



What is the temperature?

°C



6 Write the missing time.

Four o'clock →

4 : 00

Half past seven →

:



7 The numbers in the circles add up to 70

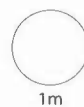
20 40 50 60 70

Circle two numbers that add up to 80

20 40 50 60 70

Now circle two numbers that add up to 100

15 45 55 75 95



8

$$17 - 9 = \boxed{}$$



9

Fruit children choose

| | girls | boys |
|--------|-------|------|
| banana | 10 | 6 |
| apple | 5 | 9 |
| grapes | 7 | 8 |
| orange | 4 | 3 |

Use the table.

Which fruit do most **boys** choose?



Altogether how many **children** choose **grapes**?



10 Write the missing number in the box.

$$20 - 2 = 11 +$$



11



yogurt
35p



drink
55p

Dev buys one yogurt and one drink.

He pays with a £1 coin.



How much **change** does Dev get?



p

2m

12

Half of 16 =

1m

TOTAL

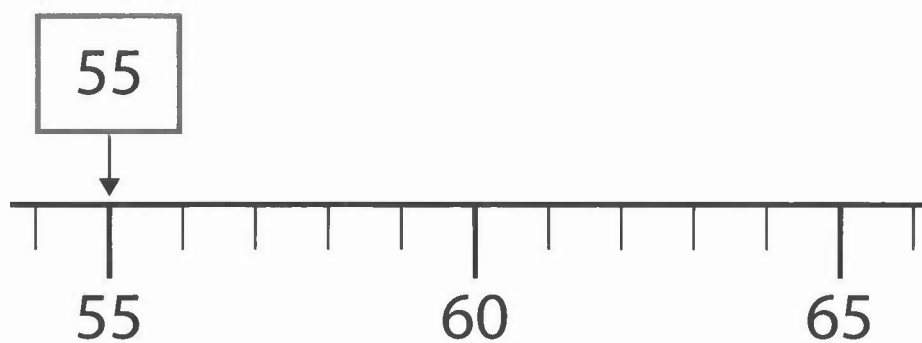
6m

- 13 Use your ruler to measure the length of this line.

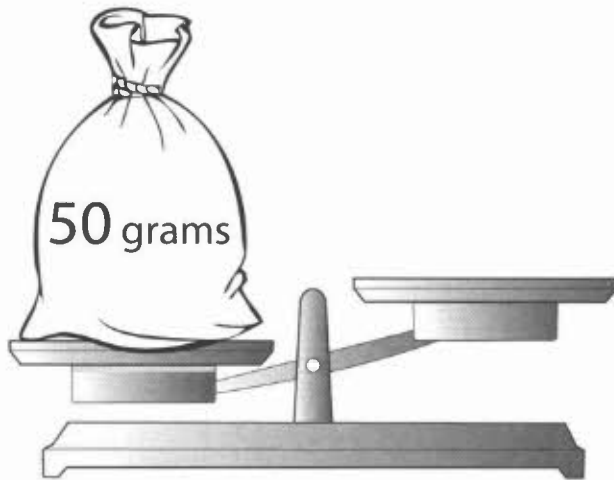


- 14 The arrow points to 55

Draw an arrow (↓) that points to 63



15



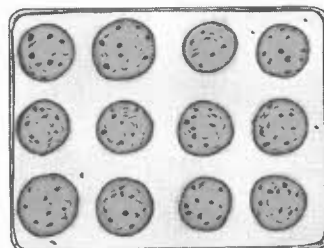
Kim wants to balance the scales.

How many **10** gram weights does she need?

weights

1m

16 Tom bakes **12** biscuits.



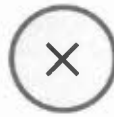
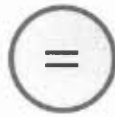
He eats **one quarter** of them.

How many does he eat?

biscuits

1m

17

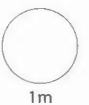
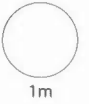


Use two of these signs to make a number sentence.

$$6 \bigcirc 2 \bigcirc 3$$

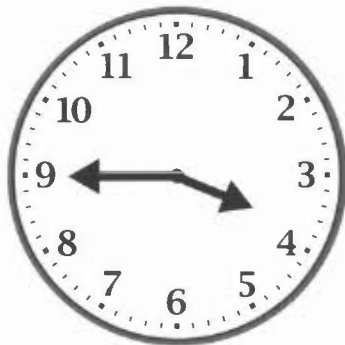
Now use two of the signs to make a **different** number sentence.

$$6 \bigcirc 2 \bigcirc 3$$



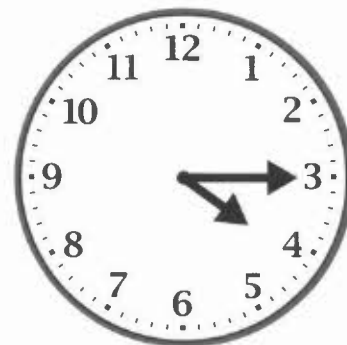
18

Meg leaves school



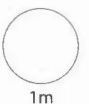
Meg

Meg gets home



How many **minutes** does Meg take to get home?

minutes



19

Quarter of £1 is

 p

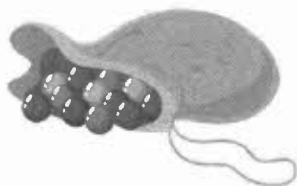
1m

20

$$100 - 60 - 10 =$$


1m

21



5 balls cost 20p.

How much do 15 balls cost?



p

2m

TOTAL

7m

National Numeracy Tests

PROCEDURAL

2EP17MS

Markscheme



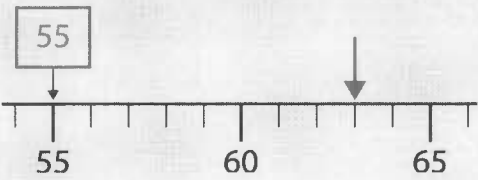
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2EP17 Procedural test: Markscheme

| Q | Marks | Answer | Comments |
|-----|-------|----------------|---|
| 1 | 1m | 19 books | |
| 2 | 1m | 35 46 68 74 | All four in correct order |
| 3i | 1m | £18 | |
| 3ii | 1m | 6 hats | |
| 4i | 1m | 79 | |
| 4ii | 1m | 54 | |
| 5 | 1m | 12°C | |
| 6 | 1m | 7:30 | Accept 07 : 30 or 19 : 30 Accept 7 : 30 am or pm Do not accept the time in words |
| 7i | 1m | 20 40 50 60 70 | Accept any unambiguous indication of 20 and 60, e.g. ticking or underlining the numbers |
| 7ii | 1m | 15 45 55 75 95 | Accept any unambiguous indication of 45 and 55, e.g. ticking or underlining the numbers |
| 8 | 1m | 8 | |

| Q | Marks | Answer | Comments |
|-----|------------------------|--|--|
| 9i | 1m | apple | Accept unambiguous spellings or abbreviations of apple |
| 9ii | 1m | 15 children | |
| 10 | 1m | 7 | |
| 11 | 2m Or 1m | 10p Shows 90 Or Incorrect answer, but shows a method that would lead to 10p if calculated correctly, with not more than one numerical error | Example of a correct method: $35 + 55 = 80$ (error) $£1 - 80 = 20p$ |
| 12 | 1m | 8 | |
| 13 | 1m | 12cm | Accept 11cm 8mm to 12cm 2mm inclusive |
| 14 | 1m |  | Accept slight inaccuracy provided the intention is clear Accept any unambiguous indication, e.g. drawing a cross on the number line at 63 |
| 15 | 1m | 5 weights | |
| 16 | 1m | 3 biscuits | Do not accept drawing a ring around three of the biscuits without the number 3 being shown |

| Q | Marks | Answer | Comments |
|------|--------------|---|---|
| 17i | 1m | $6 \div 2 = 3$ or $6 = 2 \times 3$ | |
| 17ii | 1m | $6 = 2 \times 3$ or $6 \div 2 = 3$ | This must be different from the answer to 17i |
| 18 | 1m | 30 minutes | Do not accept half an hour |
| 19 | 1m | 25p | |
| 20 | 1m | 30 | |
| 21 | 2m | 60p | |
| | Or 1m | Incorrect answer, but shows a method that would lead to 60p if calculated correctly, with not more than one numerical error | Example of a correct method: $20 \div 5 = 4$, $4 \times 15 = 50$ (error) |