

# SAMPLE



**North London Collegiate Junior School**

**7+ Examination**

Sample Maths Paper

Time: 60 minutes

Name

Date

# SAMPLE

NLCS Junior School  
7+ Maths Exam – Sample Questions

1

Find the total of these **three** numbers.

40

7

31

2

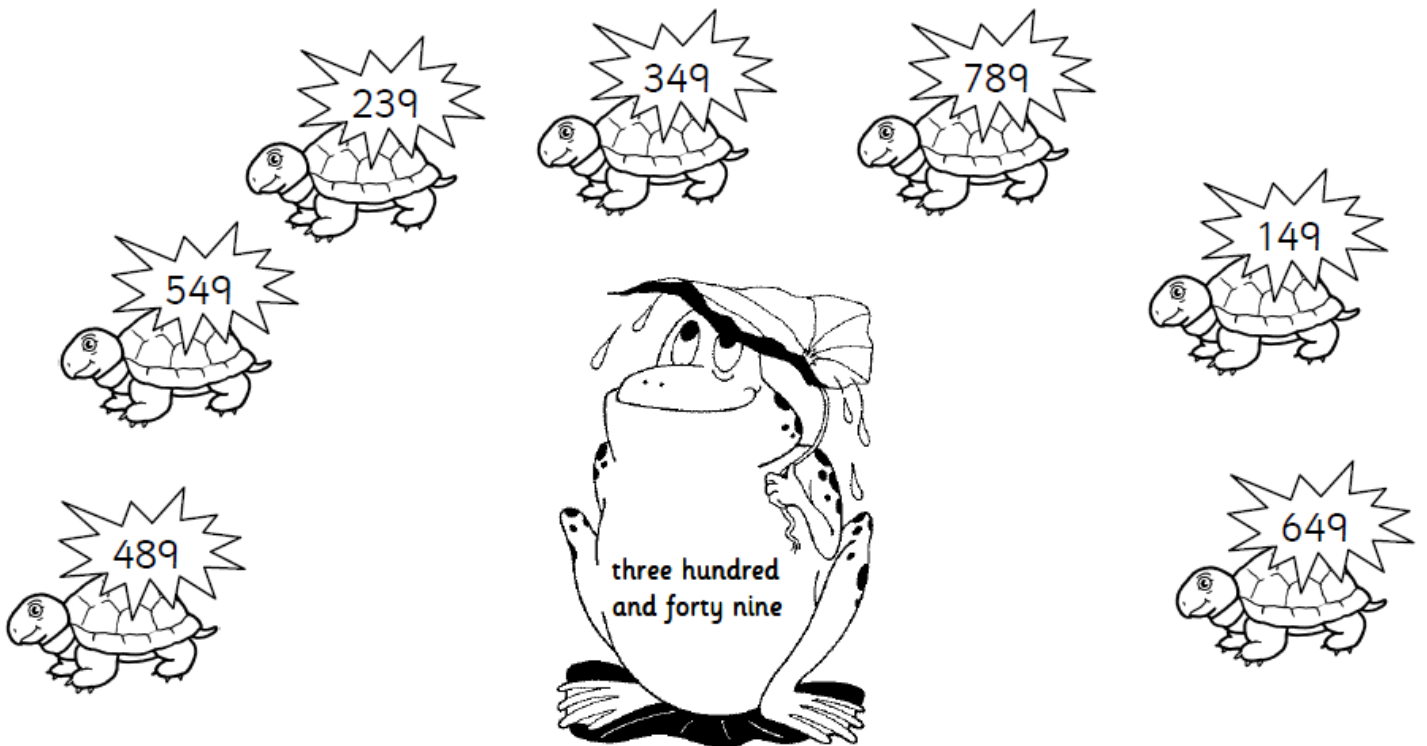
Draw a circle round the **even** numbers.



# SAMPLE

3

Draw a line to match the number on the frog with one of the tortoises.



4

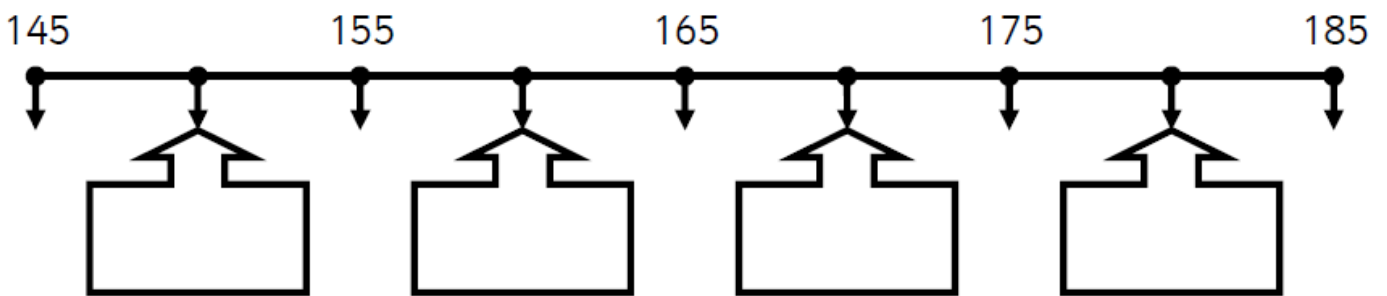
Finish partitioning these numbers.

$$528 = 500 + \boxed{\phantom{000}} + 8$$

$$460 = \boxed{\phantom{000}} + 60 + \boxed{\phantom{000}}$$

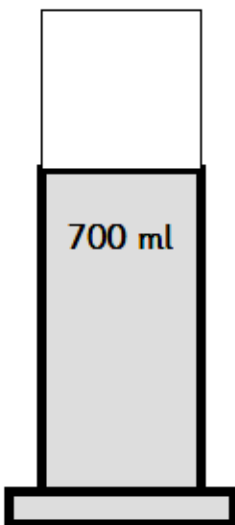
# SAMPLE

**5** Fill in the missing numbers hanging under the line.

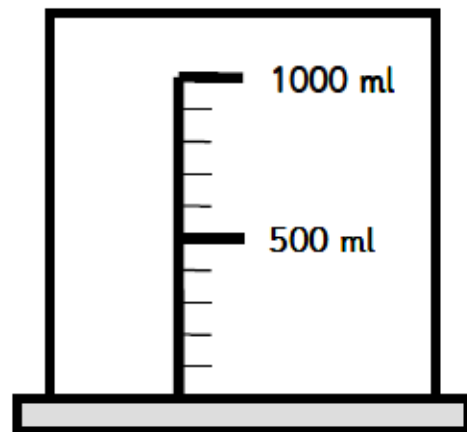


**6** Draw a line on the large flask showing where the water will come to.

This flask holds  
700 ml of water.



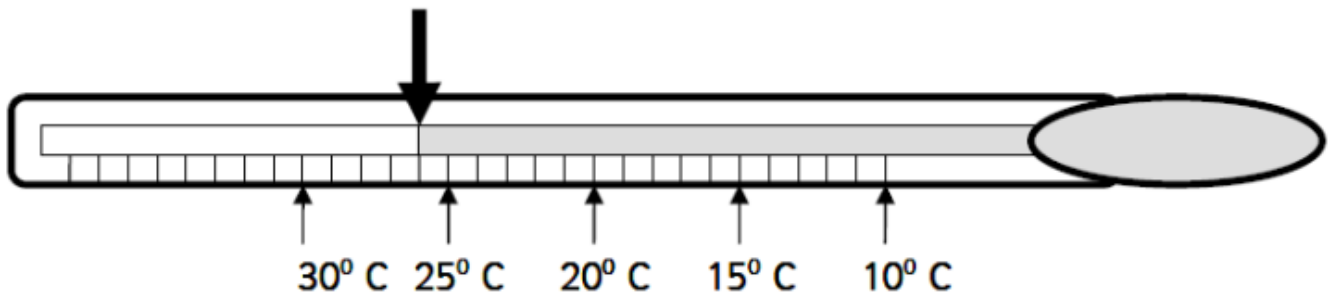
The water is poured  
into this empty flask.



# SAMPLE

7

What temperature is shown on this thermometer?



°C

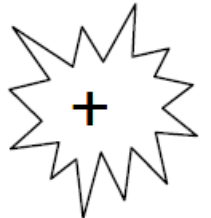
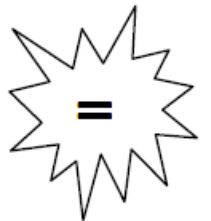
8

Use the correct signs to complete these sums.

$$14 \quad \square \quad 8 \quad = \quad 22$$

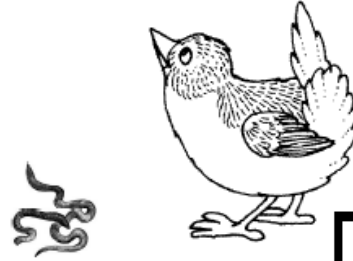
$$26 \quad - \quad 14 \quad \square \quad 12$$

$$18 \quad \square \quad 9 \quad = \quad 9$$



# SAMPLE

The bird ate **5** worms in the morning.  
It ate **twice as many** in the afternoon.  
Just before sunset it ate another **4** worms.



worms

9

What was the **total** number of worms eaten by the bird?

6 cup cakes cost £1.20



10

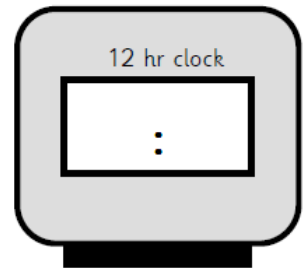
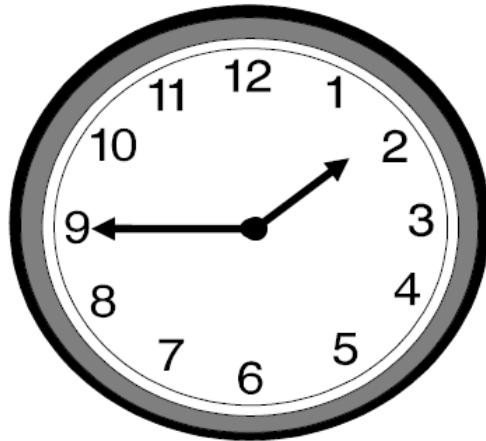
How much would it cost to buy **12** cup cakes?

£

# SAMPLE

11

Write the time shown on this analogue clock on the digital clock



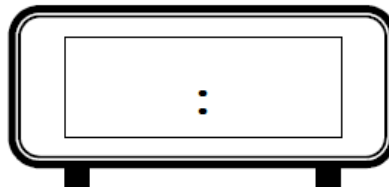
Joe plays chess with his dad before he goes to bed.

They play together for **half an hour** and stop at the time shown on the clock.

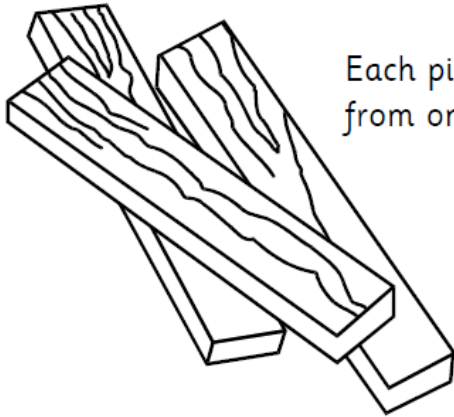


12

Write the time that they start playing chess on this digital clock?



# SAMPLE



Each piece of wood is **24 cm** long and was cut from one plank.

**13**

How **long** was the plank of wood that they were cut from?

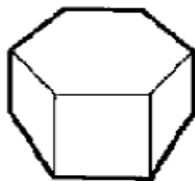
**cm**

**14**

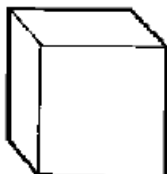
Answer the questions about these **3-D** shapes.



number of faces



number of corners



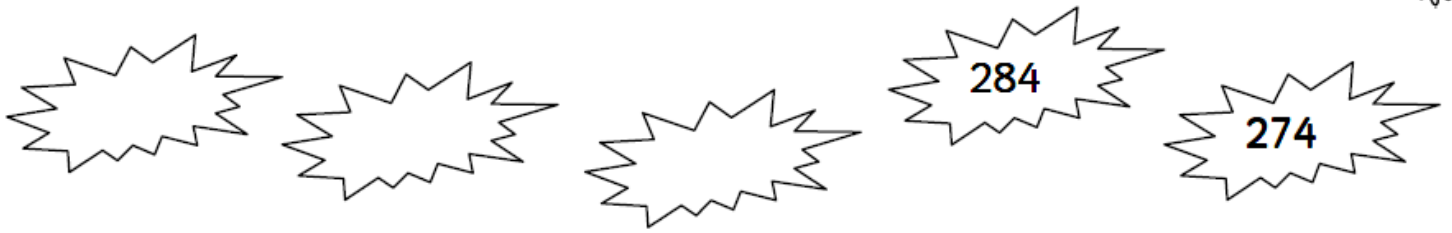
number of edges



# SAMPLE

15

Fill in the missing numbers on this number chain.



16

Write the missing digit in the triangles.

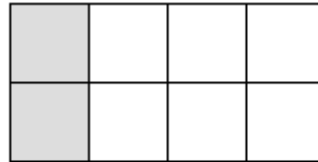
$$3 \triangle + \triangle 2 = 98$$

# SAMPLE

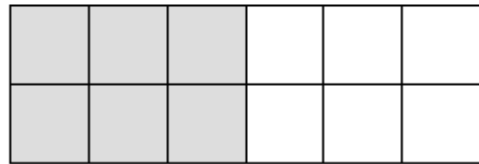
17

Draw lines to match the fraction to the shape.

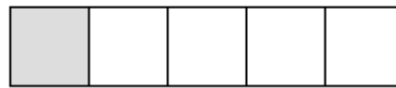
$$\frac{1}{2}$$



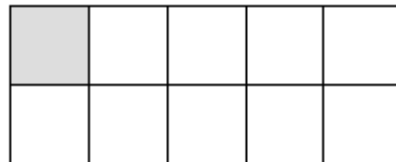
$$\frac{1}{4}$$



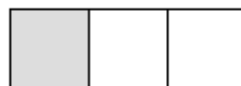
$$\frac{1}{10}$$



$$\frac{1}{5}$$



$$\frac{1}{3}$$



# SAMPLE

18

What **fraction** of this set has been shaded?

