

Mathematics Workbook

Valid from January 2013 to August 2013

Functional Skills Qualification in Mathematics at Entry 2

Learner name

Learner signature and date

Work through the whole book.

- Answer every question.
- You can write or draw to show your answers in the workbook.
- You can use a calculator.

Your tutor may read the questions to you.

Ask your tutor if you do not understand any words.

You have up to 1 hour to complete the workbook.

Your tutor may give you objects to help you with the questions.

You will need:

- Pencil
- Ruler
- Rubber

Turn over ►

1 Planning a sports day

Holly helps to plan the sports day for Wood Lane School.

Here are the first two events and the time they take.

Ball games - one hour

Running - half an hour

The ball games start at half past one.

The running starts as soon as the ball games have finished.

What time does the running start and what time does the running finish?

(2)

Write your answers in the box below.

Running starts at

Running finishes at

There are 9 children in a team for a ball game.

There are 2 teams in each ball game.

How many children in total play in each ball game?

(2)

Write your working and your answer in the box below.

There is a game of bat and ball on sports day.

The ball is in the shape of a sphere.

Which statements are true for a sphere?

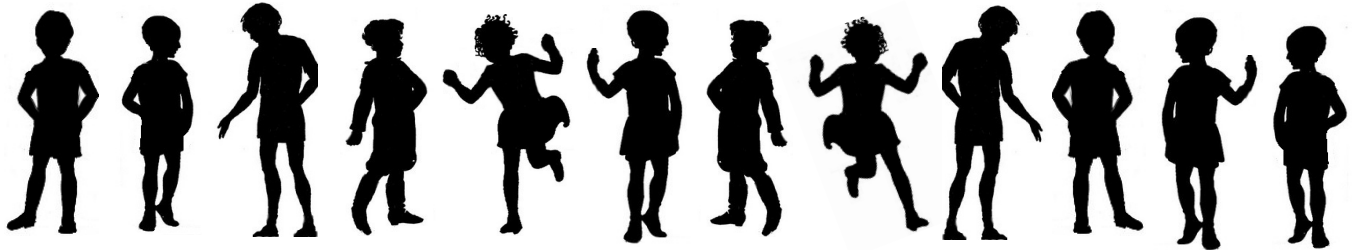
(2)

Tick (✓) all the true statements in the box below.

- It has corners.
- It rolls.
- It has flat faces.
- It has no edges.
- Each face has right angles at the corners.
- It has a curved face and two flat faces.

Some children want to play bat and ball.

Holly must arrange these children into 2 teams.
She gives each child a number.



1	2	3	4	5	6	7	8	9	10	11	12
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Holly says,

all the children with even numbers are in team A,
all the children with odd numbers are in team B.

What are the numbers of the children in each team?

(2)

Write your answers in the box below.

Team A (even numbers)

Team B (odd numbers)

2 On sports day

Tom and Samir are friends.

Tom is in these events

- high jump
- relay
- 100 m race

Samir is in these events

- 100 m race
- long jump
- relay
- bat and ball game

Tom wants to know if he and Samir are in the same event.

Which events are Tom and Samir both in?

(1)

Write your answer in the box below.

Here are the times for the 100 m race for seven year olds.

Tom	17 seconds
Lily	16 seconds
Josh	22 seconds
Amy	19 seconds
Samir	17 seconds
Maria	19 seconds

Josh has the longest time.

The three children with the shortest times win medals.

Which three children win medals?

(2)

Write the names of the children in the box below.

In the cross country race

- the fastest time is 37 minutes
- the slowest time is 54 minutes.

How many more minutes is the slowest time than the fastest time?

(2)

Write your working and your answer in the box below.

Add 37 minutes to your answer to check it.

(1)

Show your working in the box below.

Gary sells ice creams and ice lollies at sports day.

Here is a list of the prices.

Small ice cream cone	65p
Large ice cream cone	95p
Fruit ice lolly	65p
Chocolate ice lolly	80p

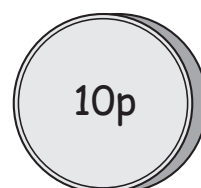
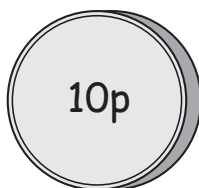
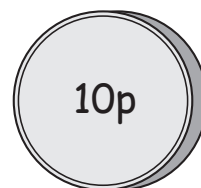
Choose one item from the list.

Tick (✓) the item you have chosen.

Which coins can you use to pay the exact amount for the item you have chosen?

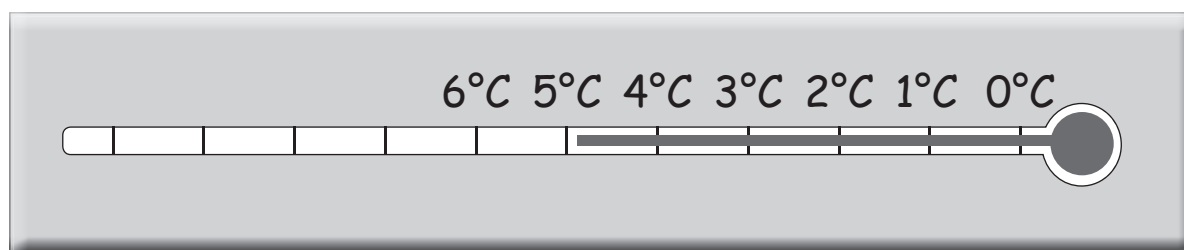
(1)

Tick (✓) the coins in the box below.



Gary checks the temperature of the ice cream.

The thermometer shows the temperature.



What is this temperature to the nearest degree?

(1)

Write your answer in the box below.

Temperature = _____ °C

If the temperature of the ice cream is higher than 3°C it gets too soft.

Gary thinks the ice cream is too soft.

Is Gary correct?

Show why you think this.

(1)

Write your answer in the box below.

Gary has some ice lollies left over at the end of sports day.

They cost 80p each.

Gary decides to sell them for half price.

How much is half of 80p?

(1)

Write your answer in the box below.