

Mathematics Workbook

Valid from January 2013 to August 2013

Functional Skills Qualification in Mathematics at Entry 3

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 30 minutes to complete the workbook.

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

You will need:

- Pencil
- Ruler
- Rubber

Turn over ►

W43947A

©2013 Pearson Limited.

5/4/4

PEARSON

1 Planning a sports day

Ken helps to plan the sports day for Mill Lane School.

There are 700 students at the school.

Ken puts the students into 5 teams.
Every team has the same number of students.

How many students are there in each team?

(2)

Write your working and your answer in the box below.

How can you check your answer?

(1)

Write your check in the box below.

The table shows the time needed for four events on sports day.

Event	Time needed
100 m race	15 minutes
Cross country race	30 minutes
200 m race	15 minutes
High jump	30 minutes

Ken needs to decide when each event starts.

He knows that only one event can take place at any one time.

Ken makes the table below to show the start time of each event.

Complete the table for Ken.

(3)

The first event and the last event have been done for you.

Event	Start time
100 m race	1.00 pm
Cross country race	2.00 pm

There are 3 spaces for parents to sit on sports day.

The table shows how many chairs Ken can fit into each space.

Seating space 1	between 75 and 100 chairs
Seating space 2	between 150 and 180 chairs
Seating space 3	between 50 and 60 chairs

Ken wants

- some chairs in each space
- a total of 300 chairs.

How many chairs should Ken put in each space?

(2)

Write your working and your answer in the box below.

Seating space 1 chairs

Seating space 2 chairs

Seating space 3 chairs

Last year 266 parents came to sports day.

What is 266 to the nearest 10?

(1)

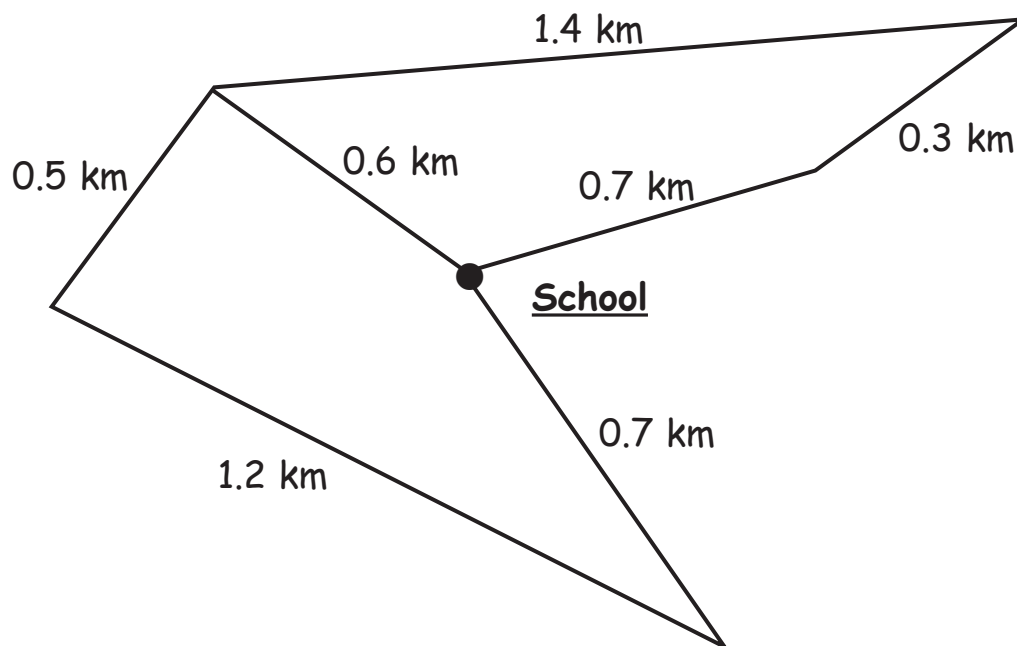
Write your answer in the box below.

Ken must plan the route for the cross country race.

The route must

- start at the school
- be 3 km long
- end at the school.

Ken uses this map.



Which route should Ken use?

(1)

Show the route on the map.

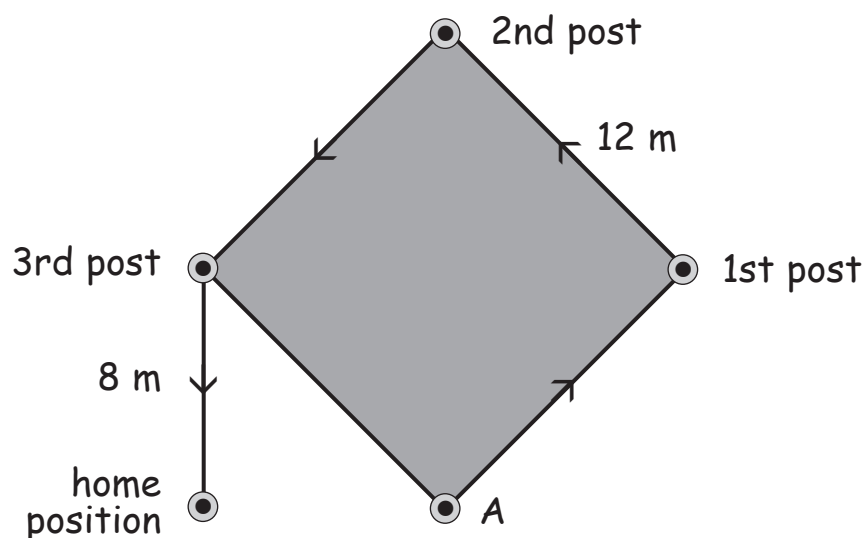
How can you check that the route you have drawn is 3 km long?

(1)

Write your answer in the box below.

2 On sports day

The diagram shows the rounders pitch on sports day.



The shaded shape is a square.

Mel hits the ball at position A.

Then Mel runs

- from A to 1st post
- from 1st post to 2nd post
- from 2nd post to 3rd post
- from 3rd post to home position.

Find the total distance Mel runs.

(3)

Write your working and your answer in the box below.

Here are the times for the three fastest runners in the 100 m race.

- Claire 15.26 seconds
- Leroy 15.02 seconds
- Ben 15.60 seconds

The winner is the runner with the shortest time.

Who is first, second and third?

(1)

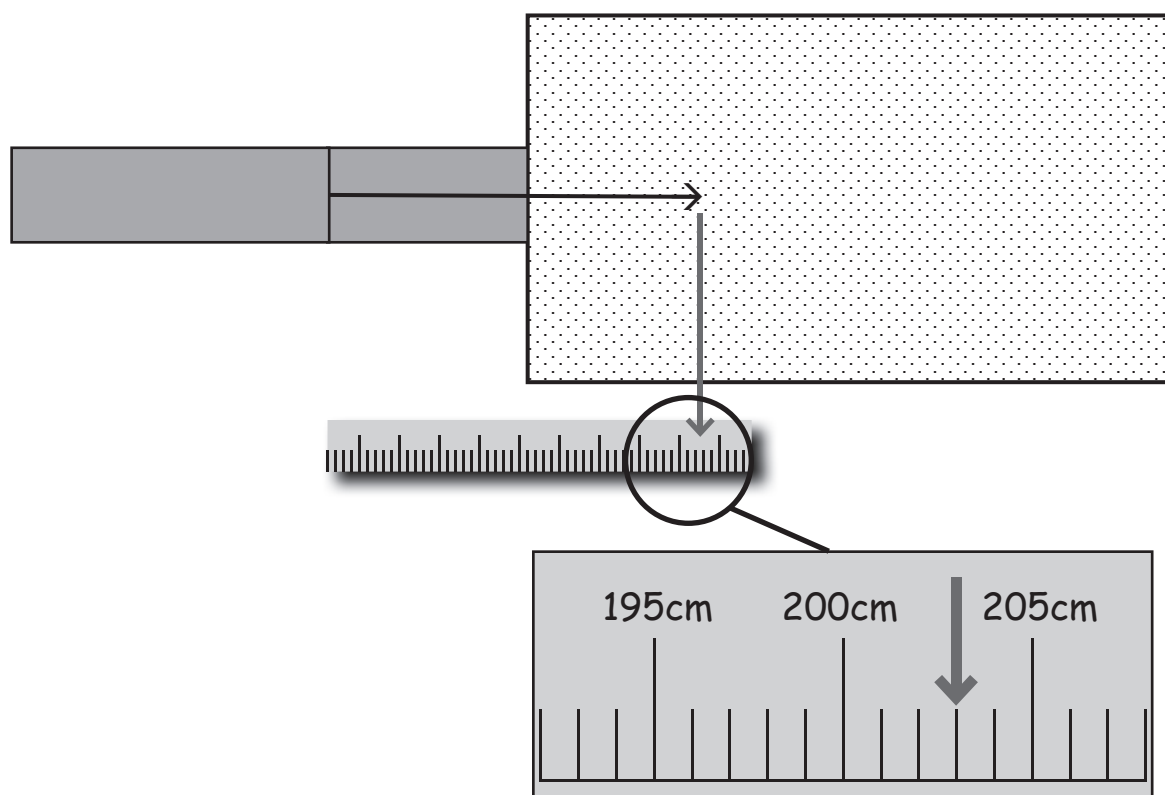
Write the names of the runners in the box below.

First

Second

Third

The diagram shows the distance Shafia jumps in the long jump event.



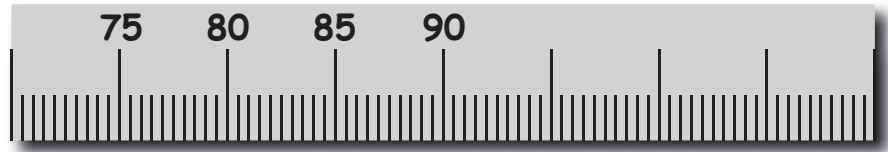
What distance does Shafia jump?

(1)

Write your answer in the box below.

There is a ball throwing event on sports day.

Ken uses a measuring tape to find the length of each throw.



What are the next three numbers on the measuring tape?

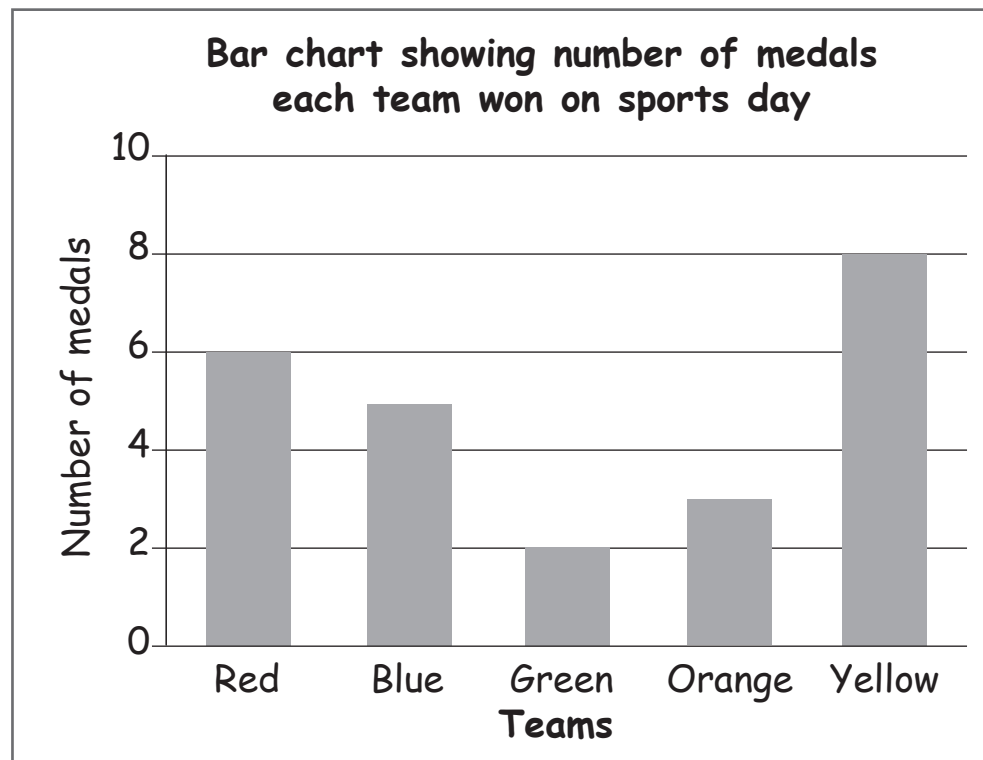
(1)

Write your answer in the box below.

75, 80, 85, 90, _____, _____, _____

Students win a medal if they are first, second or third in any event.

The bar chart shows how many medals each team won.



Which team won the most medals?

(1)

Write your answer in the box below.

How many medals did the Orange team win?

(1)

Write your answer in the box below.

There were 24 medals in total.

The Red team won 6 medals.

This result can be written as the fraction $\frac{6}{24}$

What fraction has the same value as $\frac{6}{24}$?

(1)

Circle the correct fraction.

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

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

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

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

$$\frac{1}{6}$$