Mathematics Workbook

Valid from September 2014 to August 2015

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 a:

- Pencil
- Ruler
- Rubber

PEARSON

1   Activity holiday

Some friends go on holiday to an activity centre near the sea.

The holiday costs £446 for each person.

How much is £446 to the nearest £10?   (1)

Write your answer in the box below.

They drive to the activity centre.

There are 3 routes.

| Route A 64.5 miles | Route B 59.3 miles | Route C 70.8 miles |

Which is the shortest route?   (1)

Write your answer in the box below.

Five of the friends buy food for their holiday.

They want to share the cost of the food equally between them.

The food costs £90

How much must each of the 5 friends pay for the food? (2)

Write your working and your answer in the box below.

Show how you can check your answer. (1)

Write your check in the box below.

Kay buys 4 bars of chocolate.

Each bar weighs 250 g.

250 g
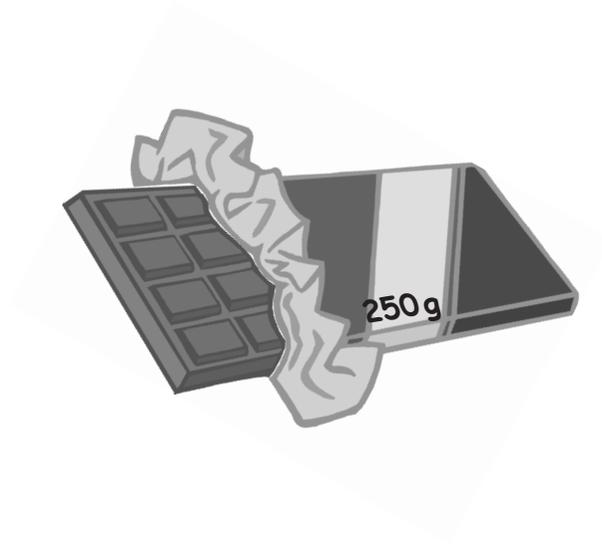
Kay wants to know how much the 4 bars of chocolate weigh in total.

How many kg do the 4 bars of chocolate weigh in total?   (3)

Write your working and your answer in the box below.

2 Activities

Ron is a team leader at the activity centre.

He puts 16 people into teams using a number pattern.

He gives each person a number from 1 to 16

Ron shows the numbers from 1 to 12 in this table.

Team	Number pattern
A	1, 4, 7, 10,
B	2, 5, 8, 11,
C	3, 6, 9, 12,

Complete the table for Ron.   (2)

Write the numbers from 13 to 16 in the table using the same number pattern.

The first team activity is a fitness course.

The course has 3 parts.

The lengths of the parts are

- 235 m

- 145 m

- 170 m

The diagram shows the course.

Start

235 m

170 m

145 m
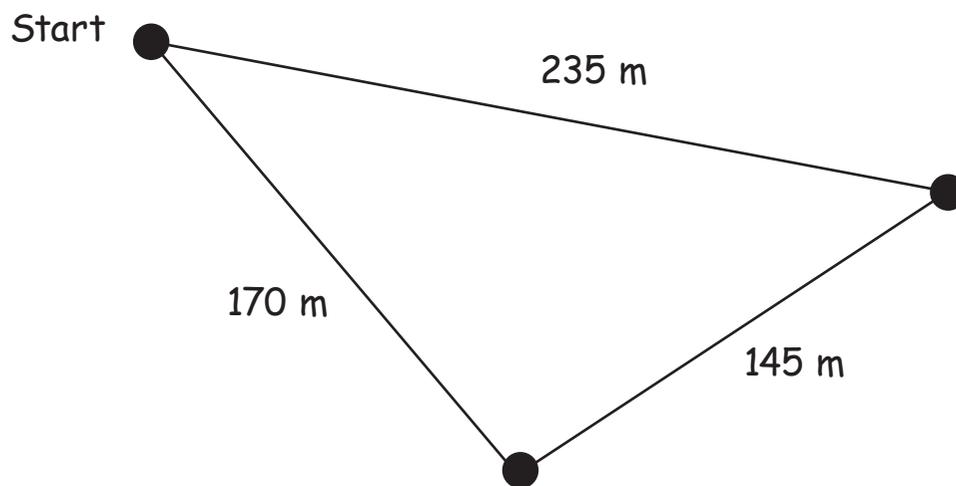
**What is the total length of the course?**   **(2)**

Write your working and your answer in the box below.

Ron asks each person to wear a life jacket for kayaking on the sea.

The life jackets are kept in this box.

The box is in the shape of a cuboid.
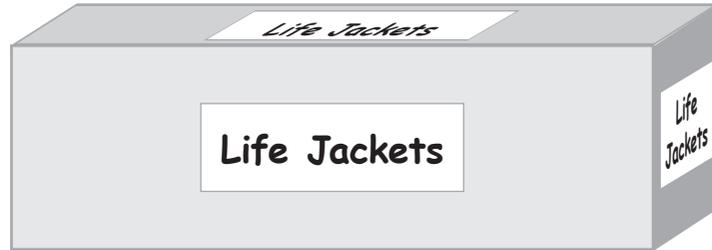
There is a label on each face of the box except the bottom face.

**How many labels are there in total on the box?** (1)

Write your answer in the box below.

What is the name of the shape of the bottom face of the box? (1)

Write your answer in the box below.

Ron checks the sea temperature before kayaking.

The thermometer shows the temperature.

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0   2   4   6   8   10  12  14  16  18  20  22  24  26  28  30      °C
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Thermometer
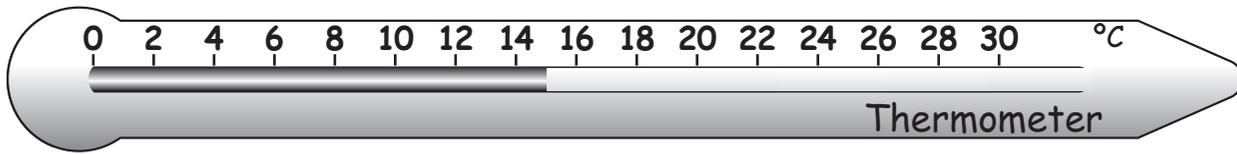
What is the sea temperature?   (1)

Write your answer in the box below.

There are 24 people going kayaking on Monday.

8 of these people want to go in the morning.

What fraction has the same value as $\dfrac{8}{24}$?   (1)

Tick (✔) the correct fraction.

| $\dfrac{1}{2}$	$\dfrac{1}{3}$	$\dfrac{1}{4}$	$\dfrac{1}{6}$	$\dfrac{1}{8}$
( )	( )	( )	( )	( )

These are the types of kayak at the activity centre.
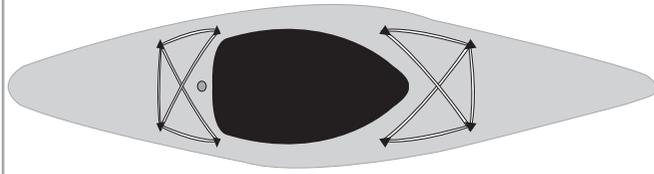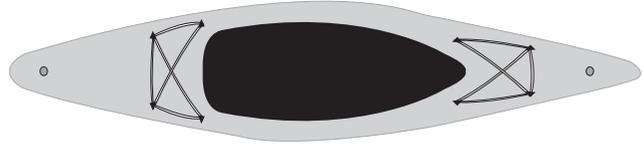
Kayak A	Kayak B
268 cm	**411 cm**

How much longer is Kayak B than Kayak A? (2)

Write your working and your answer in the box below.

The teams win points for activities at the centre.

Ron draws a chart to show how many points each team has won.

Here is the chart.

Chart showing the number of points each team has won

Team A 🏆 🏆

Team B 🏆 🏆 🏆 🏆

Team C 🏆 🏆 🏆

Key: 🏆 = 10 points
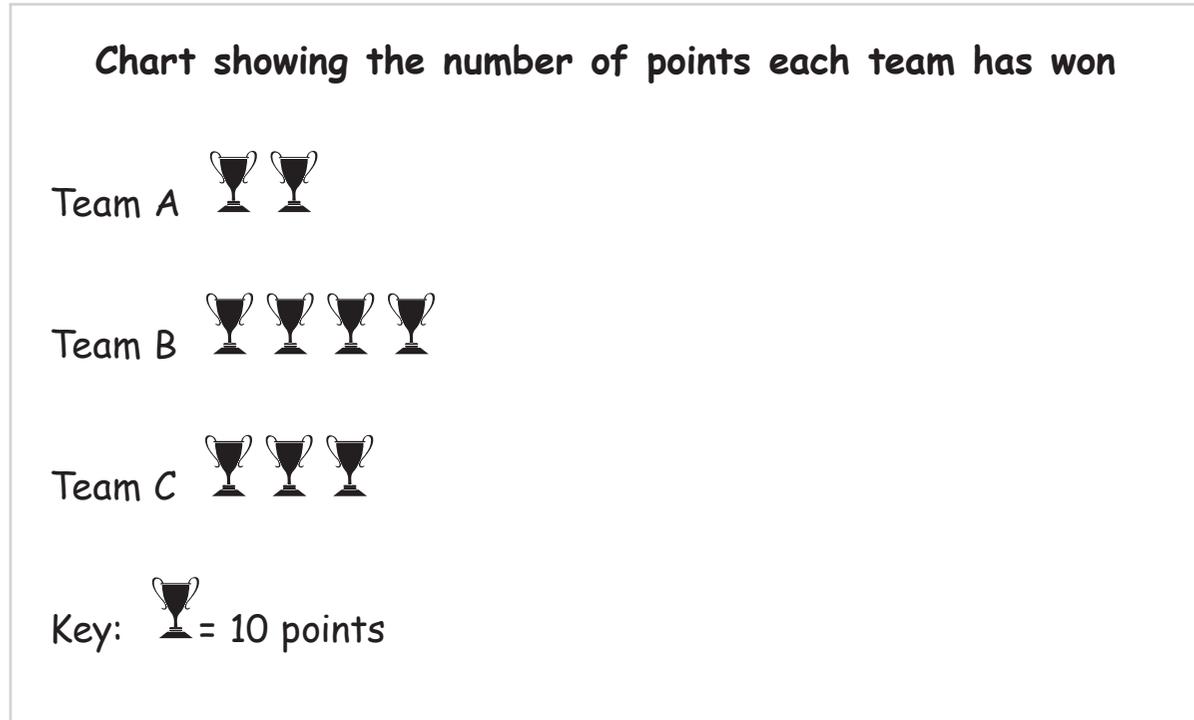
How many points did team C win in total? (2)

Write your working and your answer in the box below.