

Mathematics Workbook

Valid from September 2011 to August 2012

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: Going to a music festival

Kelly is going to a music festival with some friends.

They are going to stay in tents at the festival.

They have **3** tents.



Each tent has **4** strong ropes.

How many strong ropes do they need for all the tents?

(2)

Write your answer in the box below.

Kelly is going to put up a tent.

Kelly needs to find half the length of a strong rope.

The length of a strong rope is 6 metres.

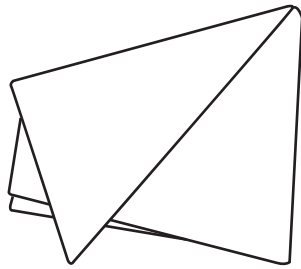
What is half the length of a strong rope?

(1)

Write your answer in the box below.

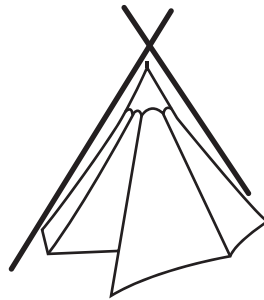
The pictures show some parts of a tent with their weights.

Groundsheet



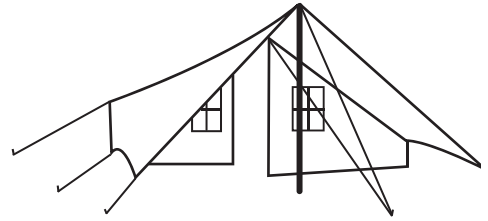
10 kg

Frame



26 kg

Fly sheet



23 kg

Which is the heaviest of these parts?

(1)

Tick (✓) the heaviest part.

Kelly arrives at the festival.
Kelly starts putting up the tents
at ten o'clock in the morning.

It takes one and a half hours to put up all the tents.

What time does Kelly finish putting up the tents?

(1)

Write your answer in the box below.

2: The music acts



Kelly wants to see 4 music acts.

Kelly needs to go to the acts at the right time.

The 1st act Kelly goes to is The Functions at 2:30 pm.

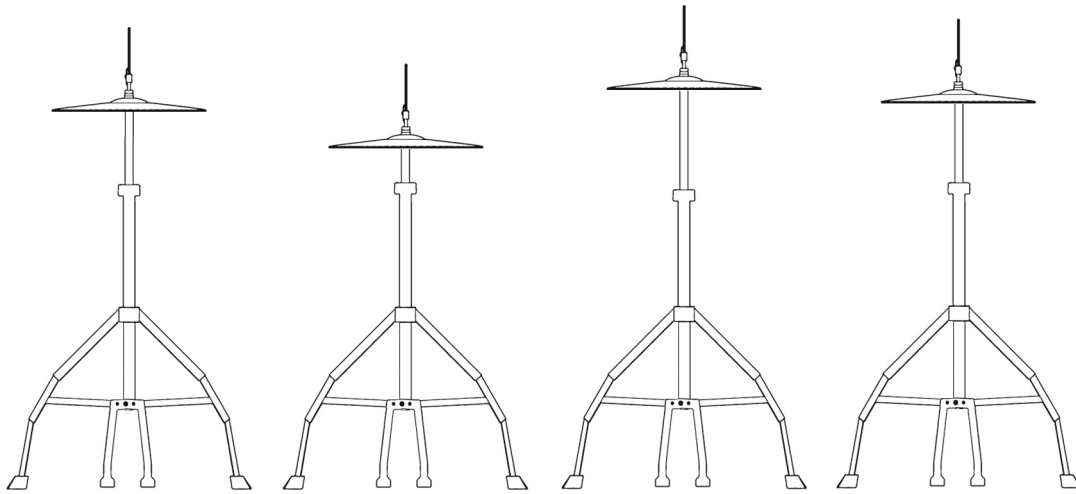
Write the order Kelly should go to the other music acts.

(2)

Act	Time	Order
All Stars	10 pm	
Nameless	5 pm	
The Functions	2:30 pm	1st
Unknowns	8:30 pm	

Max is a drummer in The Unknowns.

Max has these four cymbals.



88 cm

85 cm

96 cm

92 cm

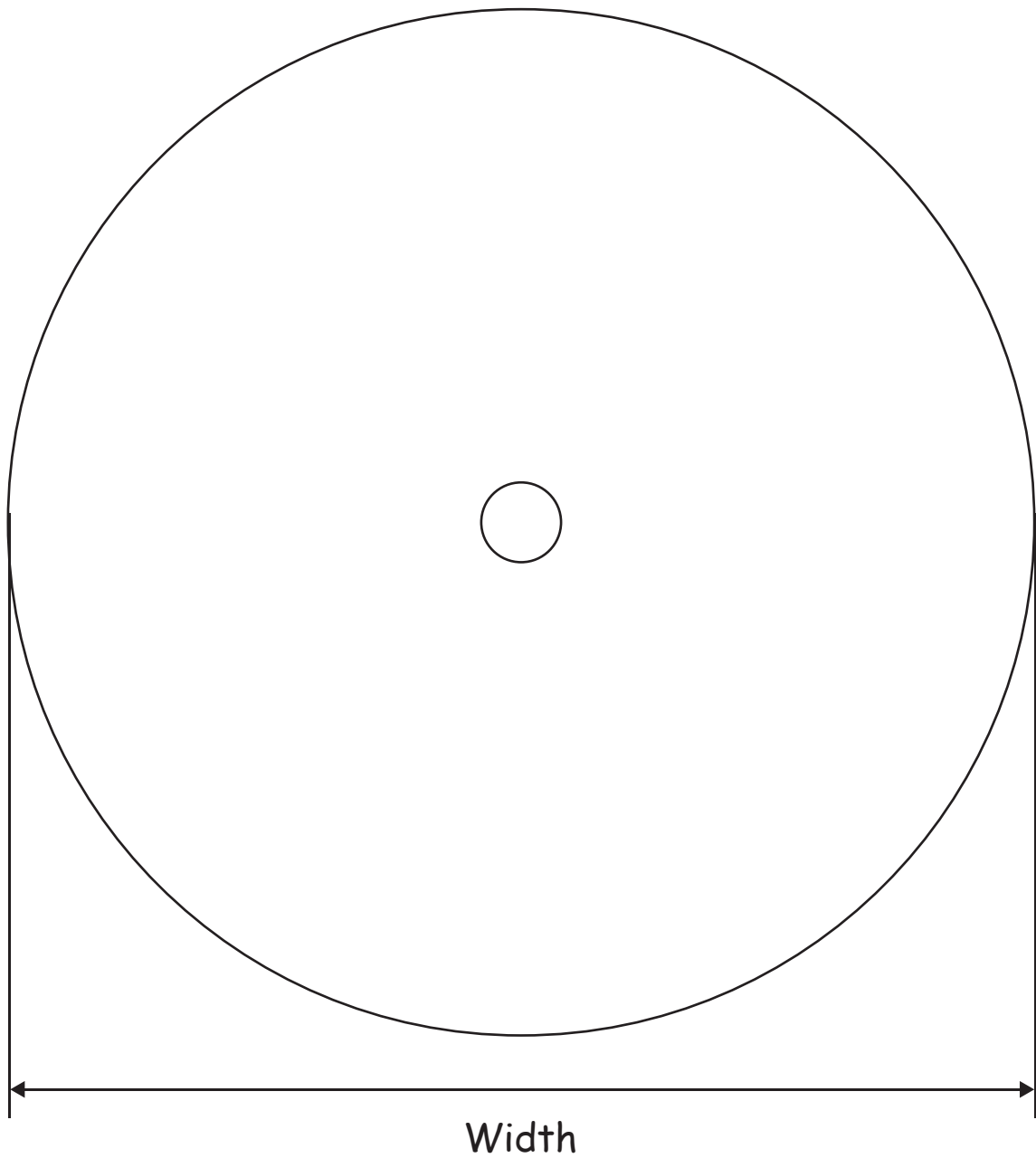
Each cymbal has a different height.

Which cymbals have a height of more than 90 cm?

(1)

Tick (✓) the cymbals that have a height of more than 90 cm.

Small cymbal



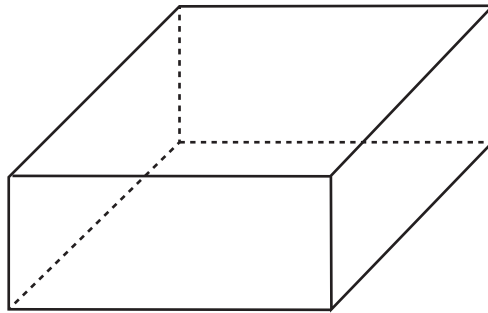
Measure the width of the small cymbal in centimetres.

(1)

Write your answer in the box below.

The Unknowns pack their equipment in crates.

Here is one crate.



What is the name of the shape of this crate?

(1)

Write your answer in the box below.

The Unknowns put one of these labels on **each face** of the crate.



How many labels do they need to put on one crate?

(1)

Write your answer in the box below.

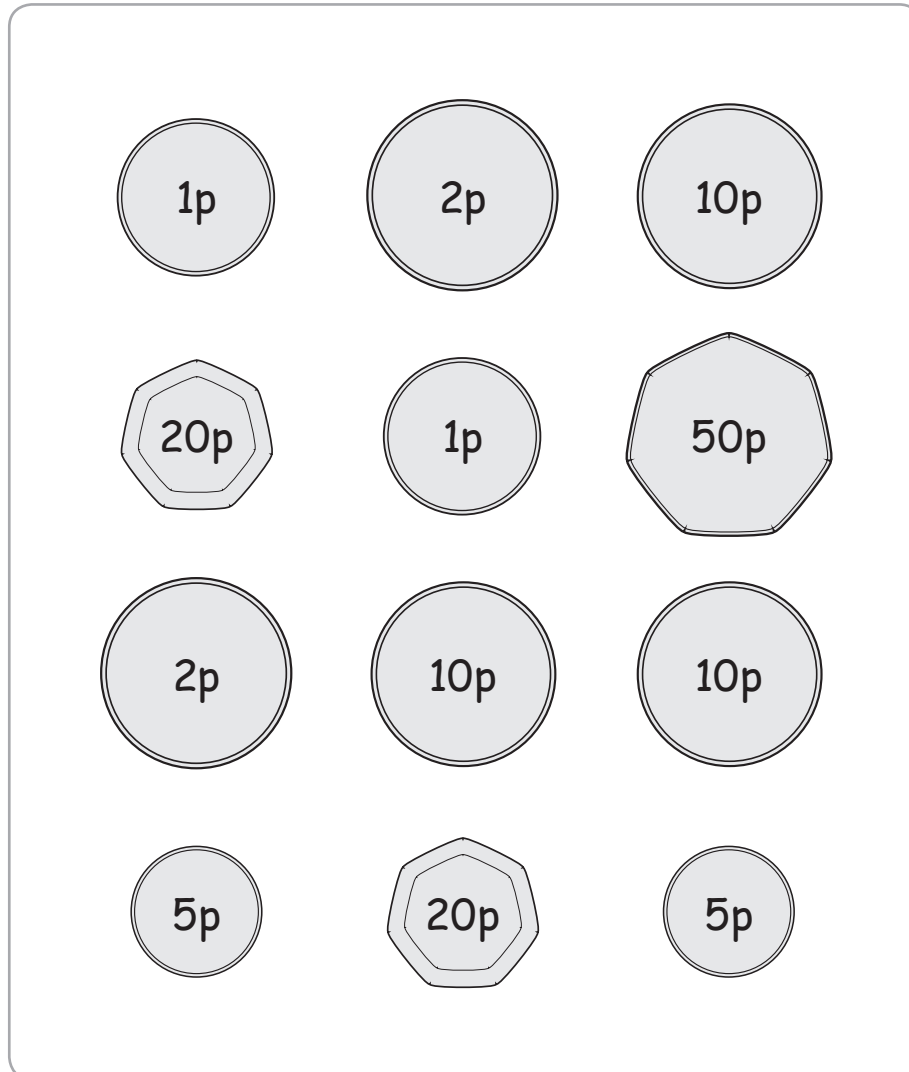
3: Buying things at the festival

Kelly buys some crisps for 75p.

Kelly pays with £1 coin.

Tick (✓) the coins Kelly could get in change from £1

(2)



Kelly wants to buy a CD.

Kelly wants a CD with an even number of tracks.

Music act	Number of tracks on CD
All Stars	10
Nameless	8
The Functions	11
Unknowns	12
The Primes	17

Which CDs have an even number of tracks?

(2)

Tick (✓) all the even numbers.

Kelly wants to buy something else at the festival.

Here is a list of some items Kelly can buy.

Item	Price
Festival polo shirt	£25
Festival T shirt	£20
Nameless baseball cap	£8
Festival coffee mug	£6
All Stars T shirt	£30
The Unknowns T shirt	£15

Choose 3 items for Kelly to buy.

(1)

Tick (✓) the 3 items you choose.

How much will the 3 items cost in total?

(1)

Write your answer in the box below.

Kelly sees this discount offer.

£4 discount
when you buy 3 items

How much will Kelly pay for the 3 items?

(1)

Write your working and your answer in the box below.