

Name: _____

Exam Style Questions

Pictograms



Corbettmaths

Equipment needed: Ruler, pencil, calculator, pen

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

www.corbettmaths.com/contents

Videos 161, 162



Answers and Video Solutions



1. Leo owns a car dealership.

 The table shows the number of cars sold each day last week.

Day	Cars Sold
Monday	4
Tuesday	6
Wednesday	3
Thursday	8
Friday	7

Draw a pictogram to show this information.
Include a key.

Key:

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

(3)

2. Sophie asks 20 of her friends to choose their favourite sport.



Their replies are

Rugby	Football	Rugby	Hockey	Cricket
Football	Football	Rugby	Hockey	Football
Rugby	Cricket	Hockey	Football	Football
Football	Rugby	Football	Football	Rugby

(a) Complete the tally and the frequency columns in the table below.

Sport	Tally	Frequency
Rugby		
Football		
Hockey		
Cricket		

(2)

(b) Draw a pictogram to show these results.

Key:  represents 2 people

Rugby	
Football	
Hockey	
Cricket	

(2)

(c) Sort the sports in order of popularity, starting with the most popular.

.....
.....
.....
.....
.....

(1)

3. Erin is selling cupcakes to raise money for charity.

 The pictogram shows some information about the cupcakes sold.

Chocolate	<input type="circle"/> <input type="circle"/> <input type="circle"/> <input type="circle"/>
Coffee	<input type="circle"/> <input type="triangle-down"/>
Lemon	<input type="circle"/> <input type="circle"/> <input type="triangle-down"/>
Strawberry	<input type="circle"/> <input type="circle"/> <input type="circle"/>

Key:

represents 4 cupcakes

(a) What was the least popular flavour of cupcake?

.....

(1)

(b) How many chocolate cupcakes were sold?

.....

(1)

(c) How many more strawberry than lemon cupcakes were sold?

.....

(1)

4. The table shows information about the number of phone calls received by some students last week.



Student	Frequency
Patrick	12
Andrew	20
David	6
George	9

Show this information on a pictogram.

Patrick	
Andrew	
David	
George	

Key:

(3)

5. The pictogram shows the amount of money raised by students in some tutor groups at a school.



Key: $\bigcirc = £10$

Tutor group	Raised
S	$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$
T	$\bigcirc \bigcirc \bigcirc$
E	$£45$
P	$\bigcirc \bigcirc \bigcirc \bigcirc$

(a) Complete the raised column.

(2)

(b) Complete the pictogram for tutor group E.

(2)

(c) How much money was raised altogether?

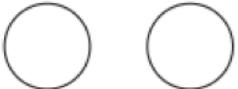
£.....

(1)

6. The pictogram shows the books Claire read last year.



Key  represents 8 books

Romance	
Crime	
Horror	
Factual	

(a) How many romance books did Claire read?

(1)

(b) How many horror books did Claire read?

(1)

(c) How many books in total did Claire read last year?

(2)

7. The number of hours of sunshine on a day, across a number of cities is shown below.



 = 2 hours of sunshine

Norwich	     
Dublin	   
Belfast	   
Aberdeen	 
Cardiff	   
Glasgow	

(a) How many more hours of sunshine was there in Norwich than Belfast?

.....hours
(1)

In Glasgow there was 9 hours of sunshine.

(b) Complete the pictogram.

(2)

8. Stefan records the number of cars in a car park at 9am each weekday last week.



He draws this pictogram to represent his results.

Key: represents 10 cars

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

Write down a criticism of Stefan's pictogram.

.....
.....
.....

(1)

9. A box contains blue, green, pink and yellow beads.



The pictogram shows information about the number of each colour in the box.

Key: represents 4 beads

Blue	
Green	
Pink	
Yellow	

There is a total of 40 beads in the box.

Complete the pictogram.

(3)

10. Eirini is a GP.

 The pictogram shows information about the number of patients she sees each day last week.

Key:  represents 4 patients

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

On Wednesday, Eirini saw 9 patients.

(a) Show this on the pictogram.

(1)

Each appointment lasts 15 minutes.

(b) Work out the total time Eirini spent setting patients last week.
Include suitable units.

(3)

11. Alfie, Barry, Conor and Dylan play for the same football team.



The pictogram shows some information about the number of goals they each scored last season.

Alfie	<input type="circle"/> <input type="circle"/> <input type="circle"/> <input type="circle"/>
Barry	
Conor	
Dylan	<input type="circle"/>

Key:

The four players scored a total of 20 goals.

Alfie scored 7 goals.

Conor scored one more goal than Barry.

Complete the pictogram and key.

(4)

12. A bakery sells bread rolls.

 The pictogram, without a key, shows how many rolls were sold each day, over four days.

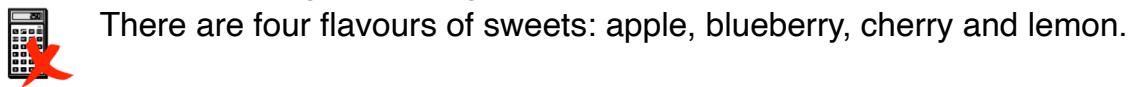
Wednesday	<input type="circle"/> <input type="circle"/> <input type="circle"/> <input type="circle"/> <input type="circle"/>
Thursday	<input type="circle"/> <input type="circle"/> <input type="circle"/> <input type="circle"/> <input type="circle"/>
Friday	<input type="circle"/> <input type="circle"/> <input type="circle"/> <input type="circle"/> <input type="circle"/> <input type="circle"/>
Saturday	<input type="circle"/> <input type="circle"/> <input type="circle"/>

54 bread rolls were sold on Thursday.

Work out how many bread rolls were sold on Saturday.

.....
(3)

13. Finn has a bag containing 72 sweets.



There are four flavours of sweets: apple, blueberry, cherry and lemon.

The pictogram shows some information about number of apple and lemon sweets in the bag.

Key: represents sweets

Apple	<input type="checkbox"/>				
Blueberry					
Cherry					
Lemon	<input type="checkbox"/>	<input type="checkbox"/>			

Finn counts a total of 48 apple and lemon sweets.

There are 20 blueberry sweets.

Complete the pictogram and key.

(4)