STATISTICS: PICTOGRAMS

I Do

Best Guess Mastery Worksheet (Target Grade 2/3)

The pictogram shows information about the number of books sold in a shop on each of five days last week.

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

Key:



represents 40 books

(a) How many books were sold on Wednesday?

_____ **(1)**

70 books were sold on Friday.

(b) Complete the pictogram to show the number of books sold on Friday.

(Draw on the pictogram) _____ **(1)**

(c) On which day was the greatest number of books sold?

_____ **(1)**

(d) Work out the total number of books sold last week.

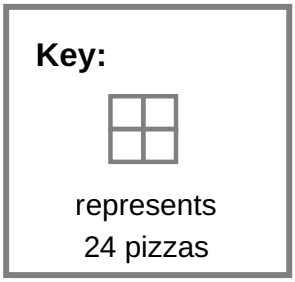
_____ **(2)**

(Total for question is 5 marks)

We Do

The pictogram shows information about the number of pizzas sold in a restaurant on each of five days.

Wednesday	
Thursday	
Friday	
Saturday	
Sunday	



(a) How many pizzas were sold on Friday?

_____ **(1)**

60 pizzas were sold on Sunday.

(b) Complete the pictogram to show the number of pizzas sold on Sunday.

(Draw on the pictogram) _____ **(1)**

(c) On which day was the least number of pizzas sold?

_____ **(1)**

(d) Work out the total number of pizzas sold over the 5 days.

_____ **(2)**

(Total for question is 5 marks)

STATISTICS: PICTOGRAMS

You Do 1

Best Guess Mastery Worksheet (Target Grade 2/3)

The pictogram shows information about the number of cars washed at a garage on each of five days.

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

Key:



represents 12 cars

(a) How many cars were washed on Wednesday?

_____ **(1)**

33 cars were washed on Friday.

(b) Complete the pictogram to show the number of cars washed on Friday.

(Draw on the pictogram) _____ **(1)**

(c) On which day was the greatest number of cars washed?

_____ **(1)**

(d) Work out the total number of cars washed last week.

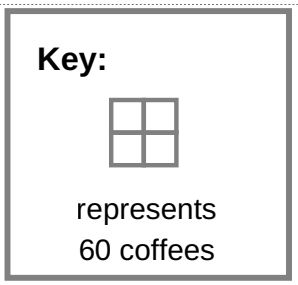
_____ **(2)**

(Total for question is 5 marks)

You Do 2

The pictogram shows information about the number of coffees sold in a cafe on each of five days.

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	



(a) How many coffees were sold on Wednesday?

_____ **(1)**

105 coffees were sold on Friday.

(b) Complete the pictogram to show the number of coffees sold on Friday.

(Draw on the pictogram) _____ **(1)**

(c) On which day was the greatest number of coffees sold?

_____ **(1)**

(d) Work out the total number of coffees sold last week.

_____ **(2)**

(Total for question is 5 marks)

STATISTICS: PICTOGRAMS

Challenge 1

Best Guess Mastery Worksheet (Target Grade 3/4)

The pictogram shows information about the number of cupcakes sold in a bakery.

Monday	
Tuesday	
Wednesday	
Thursday	

Key:



represents
32 cupcakes

(a) How many cupcakes were sold on Thursday?

_____ **(1)**

56 cupcakes were sold on Wednesday.

(b) Complete the pictogram to show the number of cupcakes sold on Wednesday.

(Draw on the pictogram) _____ **(1)**

(c) What fraction of the total cupcakes sold over the four days were sold on Monday?
Give your fraction in its simplest form.

_____ **(3)**

(Total for question is 5 marks)

Challenge 2

The pictogram shows information about the number of tickets sold for a play.

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

Key:



represents
... tickets

120 tickets were sold on Monday.

(a) Work out how many tickets one full square represents.

_____ **(2)**

110 tickets were sold on Thursday.

(b) Complete the pictogram to show the number of tickets sold on Thursday.

(Draw on the pictogram) _____ **(1)**

(c) Work out the total number of tickets sold over the 5 days.

_____ **(2)**

(Total for question is 5 marks)

Answers & Worked Solutions

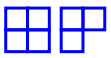
I Do:

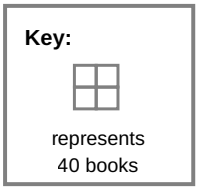
1 full square = 40. 1 small quarter = 10.

(a) Wed = 3 quarters. 3 × 10 = **30**.

(b) Fri = 70. 70 ÷ 10 = 7 quarters.

Draw 1 full square and 3 small quarters.

Friday	



(c) Greatest = **Tuesday** (90 books).

(d) Total quarters = 6 + 9 + 3 + 4 + 7 = 29.

29 × 10 = **290**.

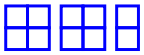
We Do:

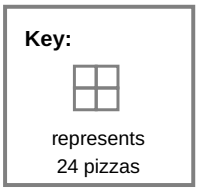
1 full square = 24. 1 small quarter = 6.

(a) Fri = 13 quarters. 13 × 6 = **78**.

(b) Sun = 60. 60 ÷ 6 = 10 quarters.

Draw 2 full squares and 2 small quarters.

Sunday	



(c) Least = **Thursday** (36 pizzas).

(d) Total quarters = 8 + 6 + 13 + 16 + 10 = 53.

53 × 6 = **318**.

You Do 1:

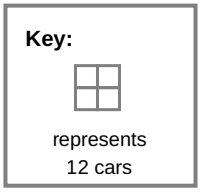
1 full square = 12. 1 small quarter = 3.

(a) Wed = 5 quarters. 5 × 3 = **15**.

(b) Fri = 33. 33 ÷ 3 = 11 quarters.

Draw 2 full squares and 3 small quarters.

Friday	



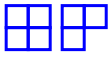
(c) Greatest = **Friday** (33 cars).

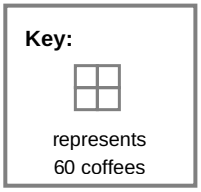
(d) Total quarters = 6 + 10 + 5 + 8 + 11 = 40.

40 × 3 = **120**.

You Do 2:

1 full square = 60. 1 small quarter = 15.
(a) Wed = 3 quarters. 3 × 15 = **45**.
(b) Fri = 105. 105 ÷ 15 = 7 quarters.
Draw 1 full square and 3 small quarters.

Friday	



(c) Greatest = **Tuesday** (135 coffees).
(d) Total quarters = 6 + 9 + 3 + 8 + 7 = 33.
33 × 15 = **495**.

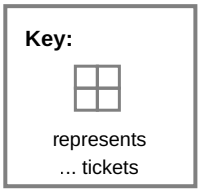
Challenge 1:

1 full square = 32. 1 small quarter = 8.
(a) Thu = 13 quarters. 13 × 8 = **104**.
(b) Wed = 56. 56 ÷ 8 = 7 quarters.
Draw 1 full sq and 3 small quarters.
(c) Total quarters = 6 + 10 + 7 + 13 = 36.
Mon quarters = 6.
Fraction = $\frac{6}{36}$ simplifies to $\frac{\mathbf{1}}{\mathbf{6}}$.

Challenge 2:

(a) Mon shows 3 full squares (12 quarters).
120 ÷ 3 = **40** (so 1 square = 40).
(b) Thu = 110. 1 full sq = 40, 1 quarter = 10.
110 ÷ 10 = 11 quarters.
Draw 2 full squares and 3 small quarters.

Thursday	



(c) Total quarters = 12 + 9 + 6 + 11 + 14 = 52.
52 × 10 = **520**.