

Starting Point

1. Tom asks 40 children how they travel to school.

Fill in the missing number in the table below.

Method of Travel	Car	Bus	Walking
Number of Children	13		20

2. Four children took a maths test which was out of 60 marks. Janet scored 5 fewer marks than Ahmed. Sarah scored 19 more marks than the lowest in the group.

Name	Ahmed	Janet	Mike	Sarah
Number of marks	57		34	

3. Sam and Rachel measured how many minutes of reading two classes completed over a week.

	Class 1	Class 2
Comics	2,196	997
Books	1,011	2,130
Magazines	1,599	1,959



Sam

Class 1 spent the most time reading magazines.

In total, Class 1 read more than 3,000 minutes of comics.



Rachel

Are Sam and Rachel correct? Explain your answer.

4. This table shows the cost of parking in a car park:

Less than 1 Hour	Free
From 1 hour to less than 2 Hours	£2.50
From 2 hours to less than 4 Hours	£3.50
From 4 hours to less than 6 Hours	£4.50
All Day	£5

a) I parked my car at 11 am and came back at 2 pm. The £3.50 I put in the parking machine was the correct amount for the time I spent in the car park. True or False – explain why

b) I parked my car for 60 minutes. My friend parked for 120 minutes. The cost of his parking was £2 more than mine. True or False – explain why

Feeling Happy


1. Tom asks 100 children how they travel to school
Fill in the missing numbers in the table below:
Twice as many Cycle as come by Car.
The rest arrive by Bus.

Method of Travel	Car	Bus	Walk	Cycle
Number of Children	18		27	

2 Five children took a maths test which was out of 100 marks.

Janet scored 5 fewer marks than Ahmed.
Freddie scored twice as many marks as Mike.
Sara scored 28 more marks than the lowest mark of the group.

Use this information to complete the table of their results.



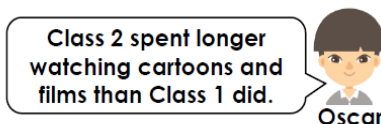
Name	Ahmed	Freddie	Janet	Mike	Sara
Mark	64			34	

3 Laura and Oscar measured how many minutes of television programmes two classes watched over a week.

	Class 1	Class 2
Cartoons	3,080	2,873.5
Films	2,879	3,098
Documentaries	1,469	1,617.5



Class 1 spent the most time watching television.



Class 2 spent longer watching cartoons and films than Class 1 did.

Oscar

Are Laura and Oscar correct? Explain your answer.

4. This table shows the cost of parking in a car park:

Less than 1 Hour	Free
From 1 hour to less than 2 Hours	£2.50
From 2 hours to less than 4 Hours	£3.50
From 4 hours to less than 6 Hours	£4.50
All Day	£5

I parked my car at half past eleven and came back at 4 o'clock. The £3.50 I put in the parking machine was the correct amount for the time I spent in the car park. True or False – explain why

I parked my car for 120 minutes. My friend parked for 180 minutes. The cost of his parking was £2 more than mine. True or False – explain why

Hot Stuff

1. Tom asks 200 children how they travel to school
Fill in the missing numbers in the table below:
Twice as many Cycle as come by Car.
Half as many Scoot as Walk to school.
The rest arrive by Bus.

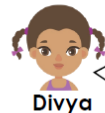
Method of Travel	Car	Bus	Walk	Cycle	Scoot
Number of Children	28		58		

2. Six children took a maths test which was out of 120 marks.
Janet scored 9 fewer marks than Ahmed.
Sarah scored 19 more marks than the lowest in the group.
Tish scored half the number of marks that Mike got.
Fred lost 11 marks in total.

Name	Ahmed	Janet	Fred	Tish	Mike	Sarah
Number of marks	87				114	

- 3 Divya and Boris measured how many minutes of physical activity two classes completed over a week.

	Class 1	Class 2
Running	7,150.5	3,659.5
Football	5,039	5,400
Skipping	1,190.5	1,740.5



Divya

Class 1 spent fewer minutes skipping and running than Class 2.



Boris

Class 2 was active for the most hours over the week.

Are Divya and Boris correct? Explain your answer.

4. This table shows the cost of parking in a car park:

Less than 1 Hour	Free
From 1 hour to less than 2 Hours	£2.50
From 2 hours to less than 4 Hours	£3.50
From 4 hours to less than 6 Hours	£4.50
All Day	£5

- a) I parked my car in the car park for only 15 minutes less than my friend but paid £2.50 less than he did to park. True or False – explain why

- b) I parked my car for 100 minutes. My friend parked for 150 minutes. The cost of his parking was £2 more than mine. True or False – explain why

Starting Point - Answers

1. Tom asks 40 children how they travel to school.

Fill in the missing number in the table below.

Method of Travel	Car	Bus	Walking
Number of Children	13	7	20

2. Four children took a maths test which was out of 60 marks. Janet scored 5 fewer marks than Ahmed. Sarah scored 19 more marks than the lowest in the group.

Name	Ahmed	Janet	Mike	Sarah
Number of marks	57	52	34	53

3. Sam and Rachel measured how many minutes of reading two classes completed over a week.

	Class 1	Class 2
Comics	2,196	997
Books	1,011	2,130
Magazines	1,599	1,959



Class 1 spent the most time reading magazines.



In total, Class 1 read more than 3,000 minutes of comics.

Are Sam and Rachel correct? Explain your answer.

Sam is incorrect because 1,599 minutes < 1,959 minutes. Rachel is incorrect because Class 1 read comics for 2,196 minutes which is less than 3,000.

4. This table shows the cost of parking in a car park:

Less than 1 Hour	Free
From 1 hour to less than 2 Hours	£2.50
From 2 hours to less than 4 Hours	£3.50
From 4 hours to less than 6 Hours	£4.50
All Day	£5

a) I parked my car at 11 am and came back at 2 pm. The £3.50 I put in the parking machine was the correct amount for the time I spent in the car park. True or False – explain why

True. I had parked for 3 hours which costs £3.50

b) I parked my car for 60 minutes. My friend parked for 120 minutes. The cost of his parking was £2 more than mine. True or False – explain why

False. The cost of my parking would have been £2.50; the cost of his parking would have been £3.50 which is £1 more (60minutes = 1 hour; 120 minutes = 2 hours).

Feeling Happy - Answers

1. Tom asks 100 children how they travel to school
Fill in the missing numbers in the table below:
Twice as many Cycle as come by Car.
The rest arrive by Bus.

Method of Travel	Car	Bus	Walk	Cycle
Number of Children	18	19	27	36

2 Five children took a maths test which was out of 100 marks.

Janet scored 5 fewer marks than Ahmed.

Freddie scored twice as many marks as Mike.

Sara scored 28 more marks than the lowest mark of the group.

Use this information to complete the table of their results.



Name	Ahmed	Freddie	Janet	Mike	Sara
Mark	64	68	59	34	62

3 Laura and Oscar measured how many minutes of television programmes two classes watched over a week.

	Class 1	Class 2
Cartoons	3,080	2,873.5
Films	2,879	3,098
Documentaries	1,469	1,617.5



Class 1 spent the most time watching television.

Laura



Class 2 spent longer watching cartoons and films than Class 1 did.

Oscar

Laura is incorrect because Class 1 watched a total of 7,428 minutes of television whereas Class 2 watched 7,589 minutes. Oscar is correct because Class 1 spent 5,959 minutes watching cartoons and films whereas Class 2 spent 5,971.5 minutes watching cartoons and films.

4. This table shows the cost of parking in a car park:

Less than 1 Hour	Free
From 1 hour to less than 2 Hours	£2.50
From 2 hours to less than 4 Hours	£3.50
From 4 hours to less than 6 Hours	£4.50
All Day	£5

a) I parked my car at half past eleven and came back at 4 o'clock. The £3.50 I put in the parking machine was the correct amount for the time I spent in the car park. True or False – explain why

False. As the car had been parked for four and a half hours, the cost would have been £4.50 rather than £3.50.

b) I parked my car for 120 minutes. My friend parked for 180 minutes. The cost of his parking was £2 more than mine. True or False – explain why

False. The cost of my parking would have been £3.50 as I parked for 2 hours. My friend parked for three hours and therefore would have also paid £3.50 to park. Our parking charge was the same.

Hot Stuff - Answers

1. Tom asks 200 children how they travel to school
Fill in the missing numbers in the table below:
Twice as many Cycle as come by Car.
Half as many Scoot as Walk to school.
The rest arrive by Bus.

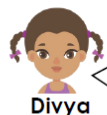
Method of Travel	Car	Bus	Walk	Cycle	Scoot
Number of Children	28	19	58	56	29

2. Six children took a maths test which was out of 120 marks.
Janet scored 9 fewer marks than Ahmed.
Sarah scored 19 more marks than the lowest in the group.
Tish scored half the number of marks that Mike got.
Fred lost 11 marks in total.

Name	Ahmed	Janet	Fred	Tish	Mike	Sarah
Number of marks	87	78	109	57	114	76

- 3 Divya and Boris measured how many minutes of physical activity two classes completed over a week.

	Class 1	Class 2
Running	7,150.5	3,659.5
Football	5,039	5,400
Skipping	1,190.5	1,740.5



Class 1 spent fewer minutes skipping and running than Class 2.

Divya



Class 2 was active for the most hours over the week.

Boris

Divya is incorrect because Class 1 spent 8,341 minutes skipping and running whereas Class 2 completed 5,400 minutes. Boris is incorrect because Class 1 completed 223 hours (13,380 min) of physical activity whereas Class 2 completed 180 hours (10,800 min)

4. This table shows the cost of parking in a car park:

Less than 1 Hour	Free
From 1 hour to less than 2 Hours	£2.50
From 2 hours to less than 4 Hours	£3.50
From 4 hours to less than 6 Hours	£4.50
All Day	£5

- a) I parked my car in the car park for only 15 minutes less than my friend but paid £2.50 less than he did to park. True or False – explain why

True. For example, if I parked my car for 50 minutes, this would have been free. If my friend parked for 65 minutes (which is only 15 minutes more), this would mean he had parked for over an hour, which would have cost him £2.50.

- b) I parked my car for 100 minutes. My friend parked for 150 minutes. The cost of his parking was £2 more than mine. True or False – explain why

False. The cost of my parking would have been £2.50 as I parked for one hour and 40 minutes. My friend parked for 2 hours and 30 minutes and therefore he would have paid £3.50 to park. This means he only paid £1 more.