

Big Maths Beat That!: Teacher Notes

SAFE Challenge 7			
	Step Location in the SAFE framework		Title of Step
	Progress Drive	Step No.	
Q1	Shape: Explore & Draw	8	I can reflect a simple rectangle when given a vertical line of symmetry
Q2	Amounts: Amounts of Money	8	I can use coins to make totals up to 100p
Q3	Amounts: Amounts of Time	14	I know there are 24 hours in a day
Q4	Amounts: Amounts of Time	15	I can count in 5 mins and know there are 60 minutes in an hour
Q5	Amounts: Amounts of Time: Telling The Time	5	I can read, write and draw 'quarter past' and 'quarter to'
Q6	Amounts: Amounts of Turn	4	I know that the word 'angle' describes amount of turn
Q7	Fractions: Fractions of a Whole	8	I can find how many quarters
Q8	Explaining Data: Diagrams & Tables	13	I can read a table
Q9	Explaining Data: Diagrams & Tables	14	I can explain that a picture represents a quantity
Q10	Explaining Data: Diagrams & Tables	15	I can explain a range of pictograms

1



Reflect this shape in the
line of symmetry

2

Use the least coins to make 63p



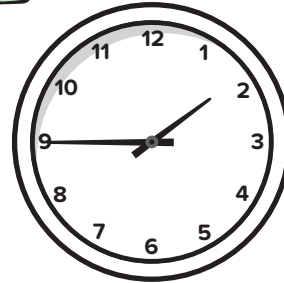
3

_____ hours = 1 day

4

_____ minutes = 1 hour

5



Half past 1

Quarter to 2

Quarter past 9

6

Tick the biggest angle



7

What fraction is shaded?

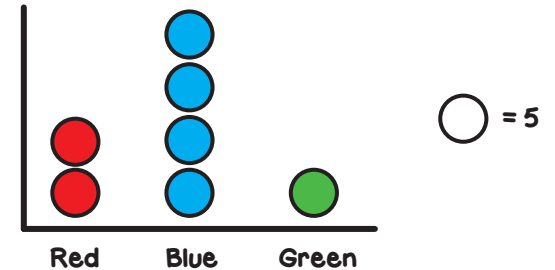


8

	David	John
Sport	Golf	Football
Chocolate	Mars	Dairy Milk

What sport did David play?

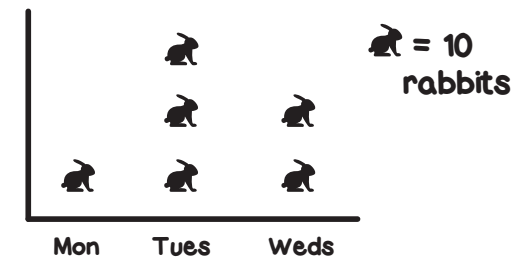
9



How many blue balls?

10

How many rabbits were seen on
Tuesday?



MY LAST SCORE?!

HAVE I BEAT THAT?!

1



Reflect this shape in the
line of symmetry

2

Use the least coins to make 71p



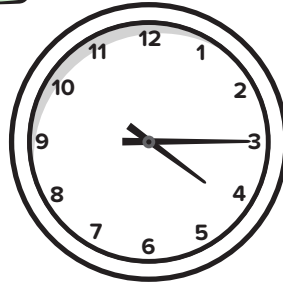
3

_____ hours = 1 day

4

_____ minutes = 1 hour

5



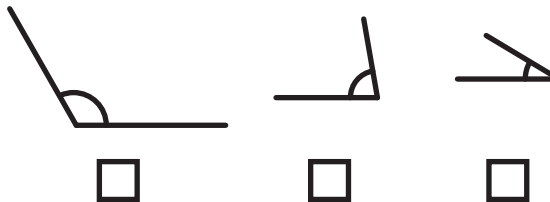
Half past 3

Quarter to 8

Quarter past 4

6

Tick the biggest angle



7

What fraction is shaded?

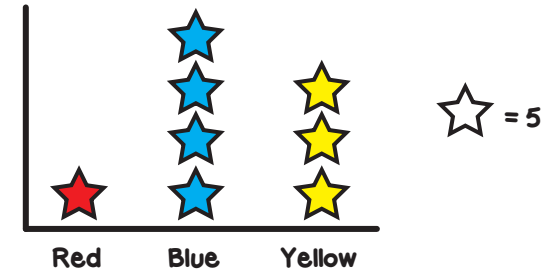


8

	Sam	Tim
Fruit	Apple	Orange
Sandwich	Cheese	Ham

What fruit did Tim eat?

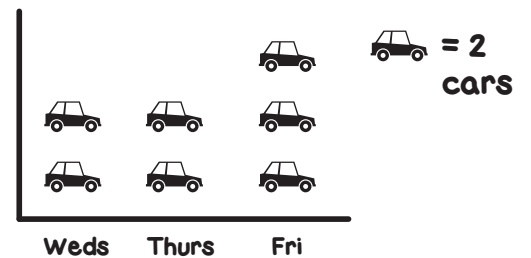
9



How many blue stars?

10

How many cars drove past on Friday?

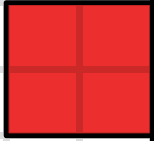


MY LAST SCORE?!

HAVE I BEAT THAT?!



1



Reflect this shape in the
line of symmetry

2

Use the least coins to make 53p



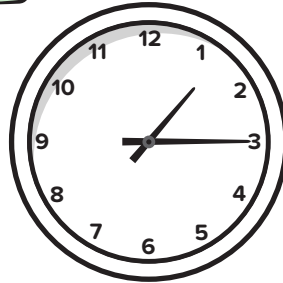
3

_____ hours = 1 day

4

_____ minutes = 1 hour

5



Quarter to 5

Half past 1

Quarter past 1

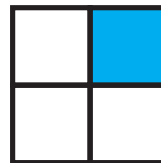
6

Tick the biggest angle



7

What fraction is shaded?

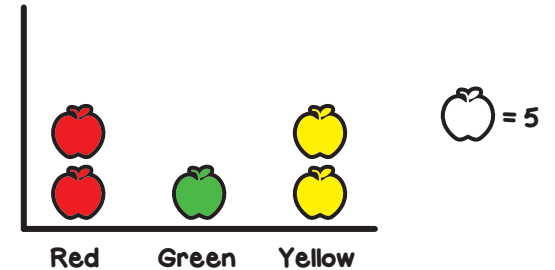


8

	Mike	James
Tree	Oak	Fir
Animal	Dog	Cat

What tree does Mike climb?

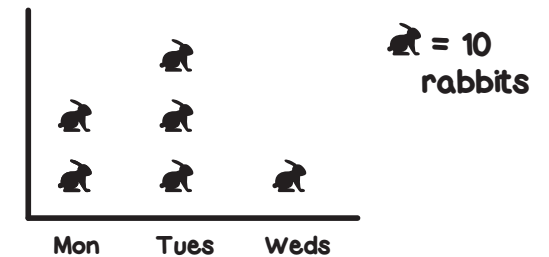
9



How many red apples?

10

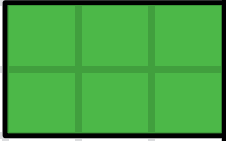
How many rabbits were seen on Monday?



MY LAST SCORE?!

HAVE I BEAT THAT?!

1



Reflect this shape in the line of symmetry

2

Use the least coins to make 81p



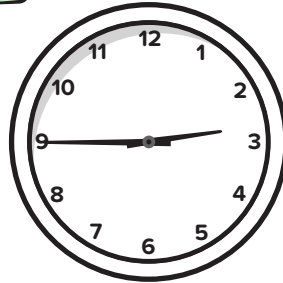
3

_____ hours = 1 day

4

_____ minutes = 1 hour

5



Quarter past 4

Half past 1

Quarter to 3

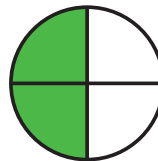
6

Tick the biggest angle



7

What fraction is shaded?

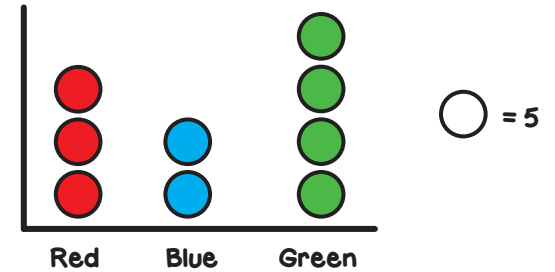


8

	Peter	Paul
Hair	Blonde	Brown
Eyes	Blue	Green

What colour is Peter's hair?

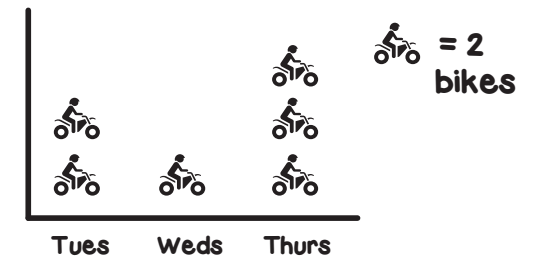
9



How many green balls?

10

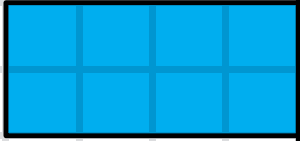
How many bikes were seen on Thursday?



MY LAST SCORE?!

HAVE I BEAT THAT?!

1



Reflect this shape in the
line of symmetry

2

Use the least coins to make 65p



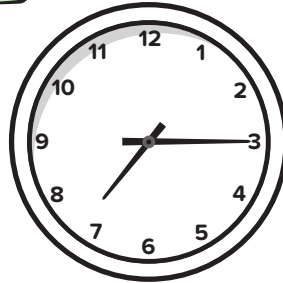
3

_____ hours = 1 day

4

_____ minutes = 1 hour

5



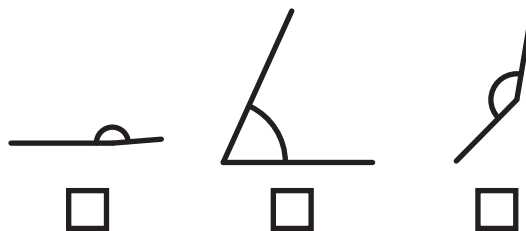
Quarter past 7

Half past 4

Quarter to 5

6

Tick the biggest angle



7

What fraction is shaded?

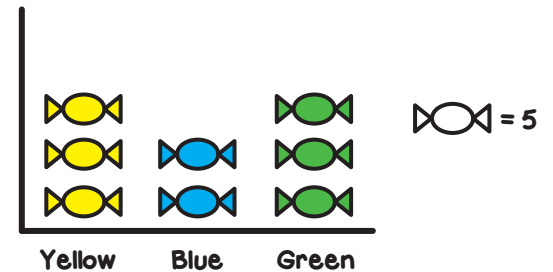


8

	Amy	Anna
Pet	Cat	Parrot
Sport	Hockey	Squash

What sport does Anna play?

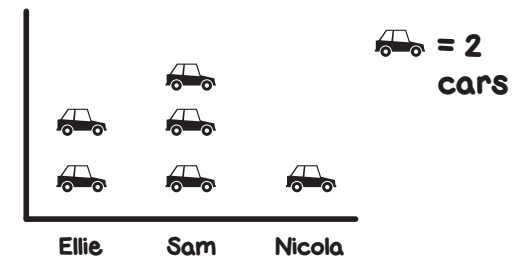
9



How many yellow sweets?

10

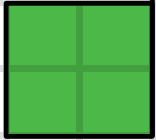
How many cars were washed by Ellie?



MY LAST SCORE?!

HAVE I BEAT THAT?!

1



Reflect this shape in the
line of symmetry

2

Use the least coins to make 88p



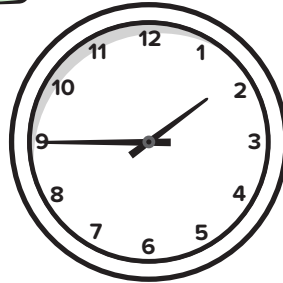
3

_____ hours = 1 day

4

_____ minutes = 1 hour

5



Quarter past 3

Half past 1

Quarter to 2

6

Tick the biggest angle



7

What fraction is shaded?

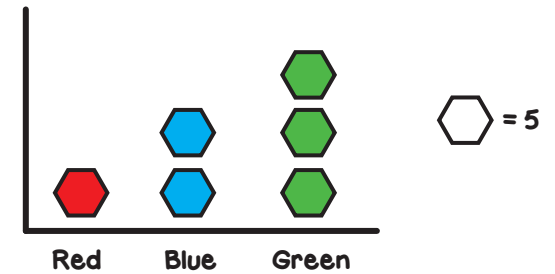


8

	James	Alex
Food	Pizza	Soup
Drink	Water	Juice

What food did Alex eat?

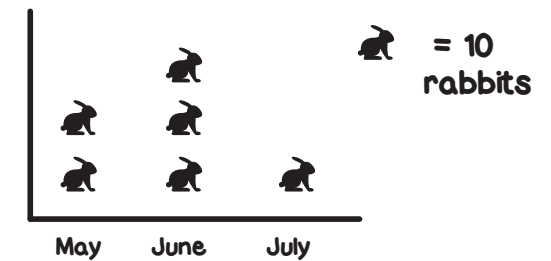
9



How many green gems?

10

How many rabbits were born in June?



MY LAST SCORE?!

HAVE I BEAT THAT?!

1



Reflect this shape in the line of symmetry

2

Use the least coins to make 28p



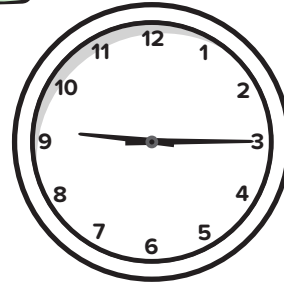
3

_____ hours = 1 day

4

_____ minutes = 1 hour

5



Half past 7

Quarter to 9

Quarter past 9

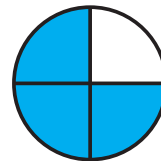
6

Tick the biggest angle



7

What fraction is shaded?

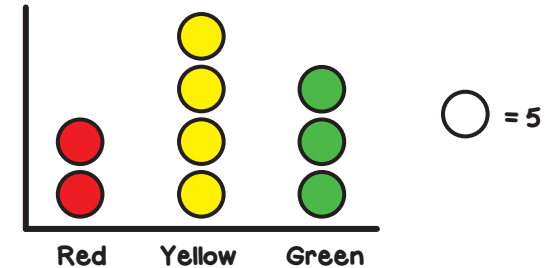


8

	Dan	Ben
City	Leeds	London
Transport	Train	Car

What city did Ben visit?

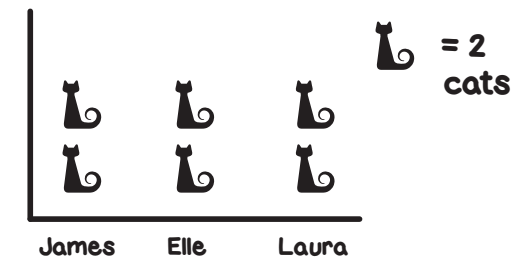
9



How many yellow balls?

10

How many cats were rescued by James?



MY LAST SCORE?!

HAVE I BEAT THAT?!

1



Reflect this shape in the
line of symmetry

2

Use the least coins to make 72p



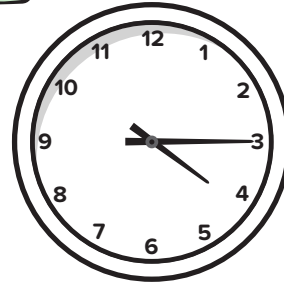
3

_____ hours = 1 day

4

_____ minutes = 1 hour

5



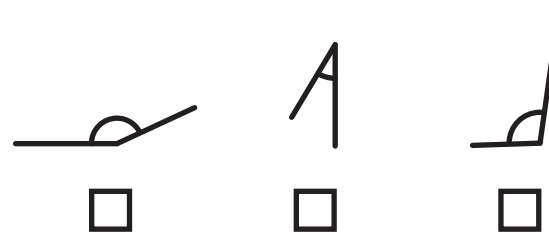
Half past 11

Quarter to 8

Quarter past 4

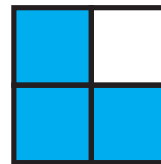
6

Tick the biggest angle



7

What fraction is shaded?

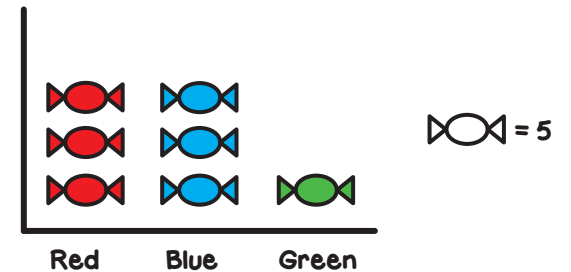


8

	Kirsty	Hannah
Sport	Tennis	Running
Food	Pasta	Rice

What sport did Hannah play?

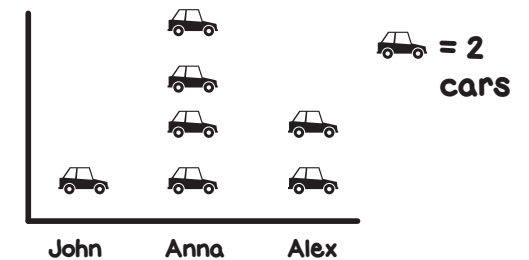
9



How many red sweets?

10

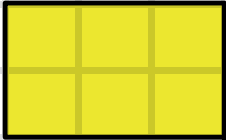
How many cars did Anna wash?



MY LAST SCORE?!

HAVE I BEAT THAT?!

1



Reflect this shape in the
line of symmetry

2

Use the least coins to make 81p



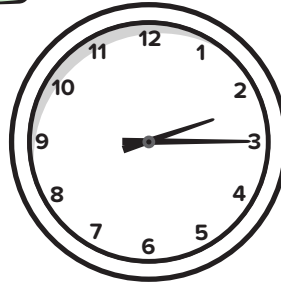
3

_____ hours = 1 day

4

_____ minutes = 1 hour

5



Half past 3

Quarter to 4

Quarter past 2

6

Tick the biggest angle



7

What fraction is shaded?

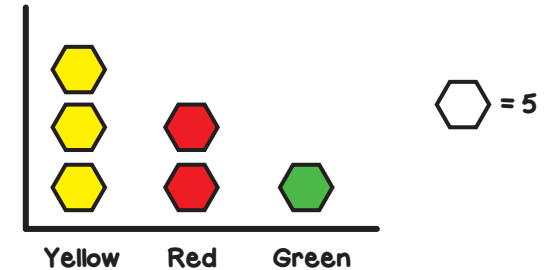


8

	Becky	Chris
Pet	Cat	Rabbit
Drink	Milk	Water

What pet does Chris have?

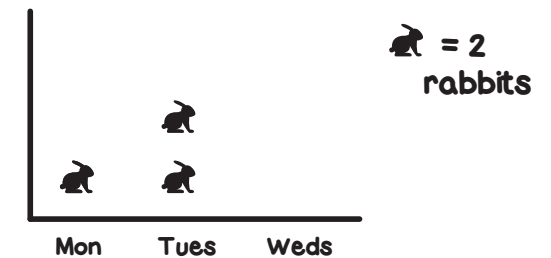
9



How many red gems?

10

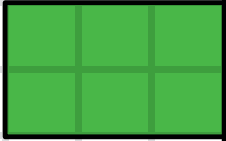
How many rabbits were seen on
Tuesday?



MY LAST SCORE?!

HAVE I BEAT THAT?!

1



Reflect this shape in the
line of symmetry

2

Use the least coins to make 72p



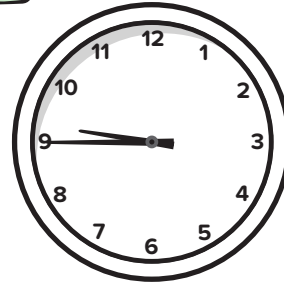
3

_____ hours = 1 day

4

_____ minutes = 1 hour

5



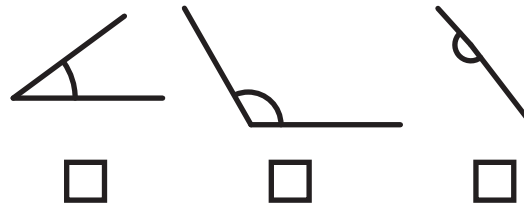
Half past 2

Quarter to 10

Quarter past 3

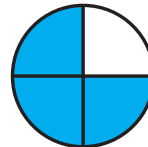
6

Tick the biggest angle



7

What fraction is shaded?

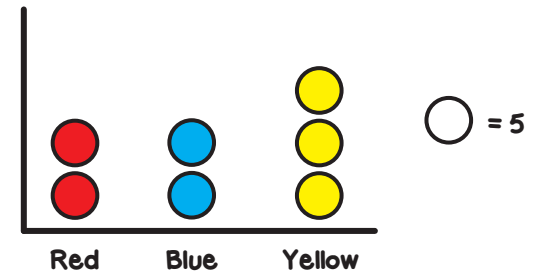


8

	James	Eve
Hobby	Painting	Dancing
Food	Pizza	Pasta

What food did Eve eat?

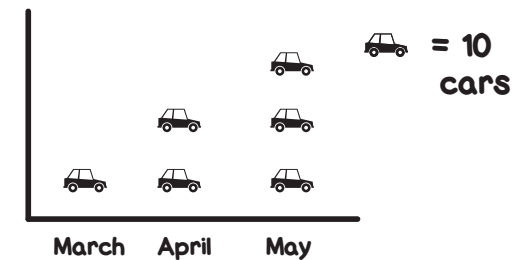
9



How many blue balls?

10

How many cars were bought in March?



MY LAST SCORE?!

HAVE I BEAT THAT?!

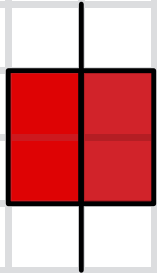
ANSWERS

SAFE 7

SET: 1

/10

1

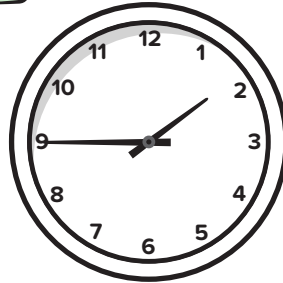


Reflect this shape in the line of symmetry

4

60 minutes = 1 hour

5



Half past 1

Quarter to 2

Quarter past 9

8

	David	John
Sport	Golf	Football
Chocolate	Mars	Dairy Milk

What sport did David play?

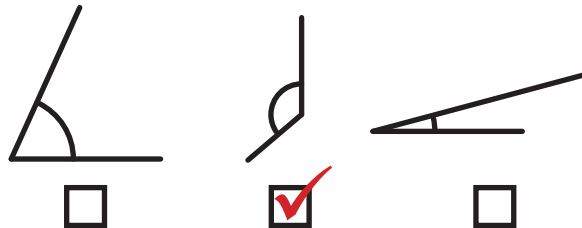
2

Use the least coins to make 63p



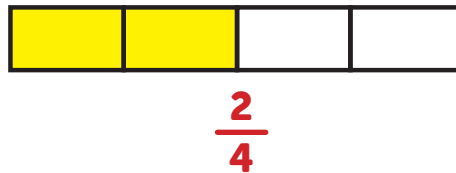
6

Tick the biggest angle

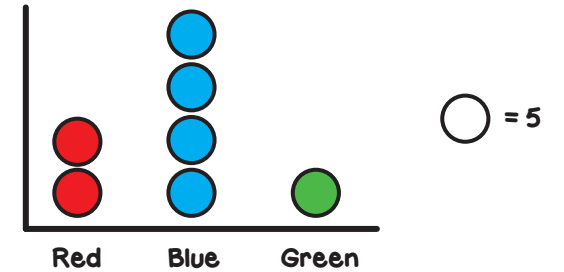


7

What fraction is shaded?



9



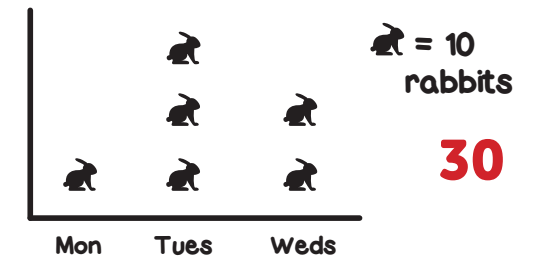
How many blue balls? **20**

3

24 hours = 1 day

10

How many rabbits were seen on Tuesday?



30



MY LAST SCORE?!

HAVE I BEAT THAT?!



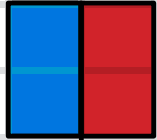
ANSWERS

SAFE 7

SET: 2

/10

1



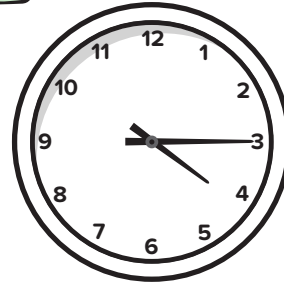
Reflect this shape in the line of symmetry

4

60

minutes = 1 hour

5



Half past 3

Quarter to 8

Quarter past 4

8

	Sam	Tim
Fruit	Apple	Orange
Sandwich	Cheese	Ham

What fruit did Tim eat?

2

Use the least coins to make 71p



3

24

hours = 1 day

6

Tick the biggest angle



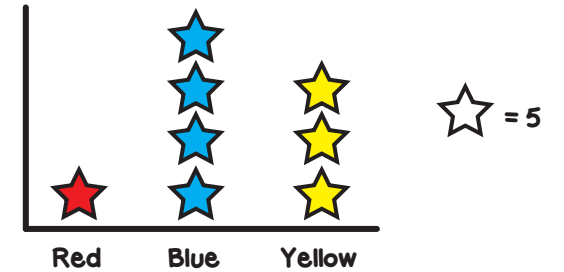
7

What fraction is shaded?



$\frac{3}{4}$

9

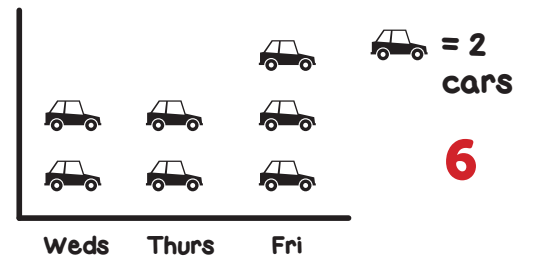


How many blue stars?

20

10

How many cars drove past on Friday?



6



MY LAST SCORE?!

HAVE I BEAT THAT?!



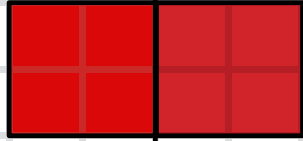
ANSWERS

SAFE 7

SET: 3

/10

1

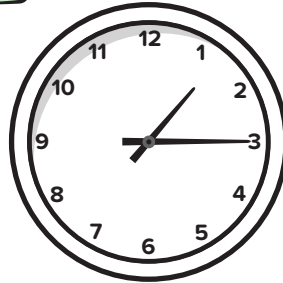


Reflect this shape in the line of symmetry

4

60 minutes = 1 hour

5



Quarter to 5

Half past 1

Quarter past 1

8

	Mike	James
Tree	Oak	Fir
Animal	Dog	Cat

What tree does Mike climb?

2

Use the least coins to make 53p



3

24 hours = 1 day

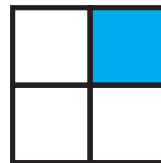
6

Tick the biggest angle



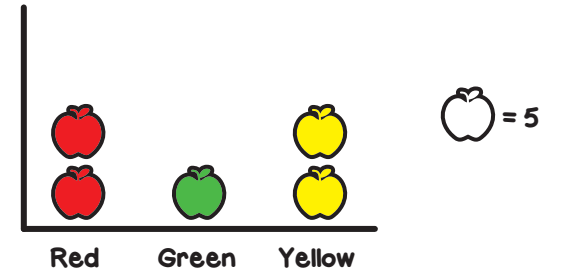
7

What fraction is shaded?



$\frac{1}{4}$

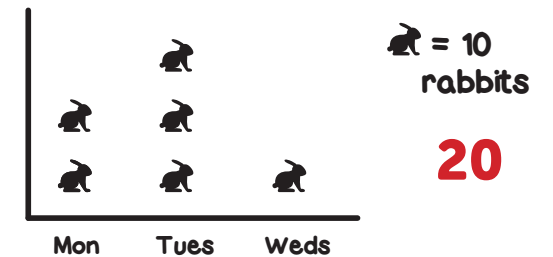
9



How many red apples? **10**

10

How many rabbits were seen on Monday?



20



MY LAST SCORE?!

HAVE I BEAT THAT?!



ANSWERS

SAFE 7

SET: 4

/10

1

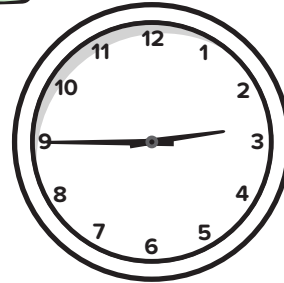


Reflect this shape in the line of symmetry

4

60 minutes = 1 hour

5



Quarter past 4

Half past 1

Quarter to 3

8

	Peter	Paul
Hair	Blonde	Brown
Eyes	Blue	Green

What colour is Peter's hair?

2

Use the least coins to make 81p

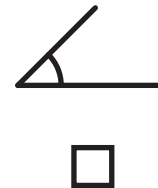


3

24 hours = 1 day

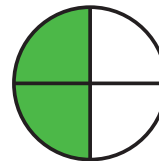
6

Tick the biggest angle



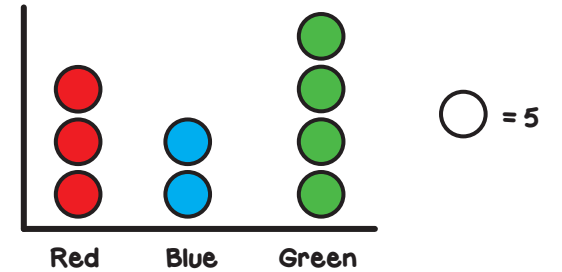
7

What fraction is shaded?



$\frac{2}{4}$

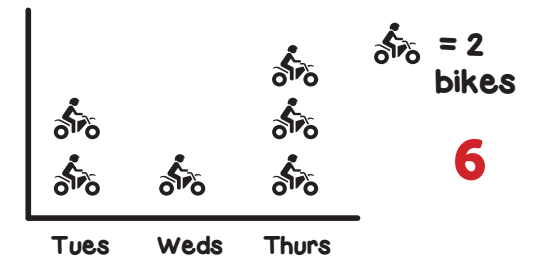
9



How many green balls? **20**

10

How many bikes were seen on Thursday?



6



MY LAST SCORE?!

HAVE I BEAT THAT?!



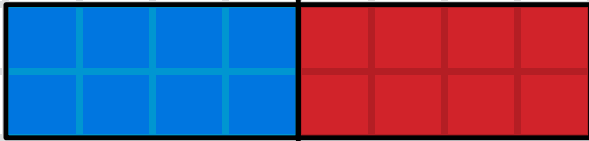
ANSWERS

SAFE 7

SET: 5

/10

1

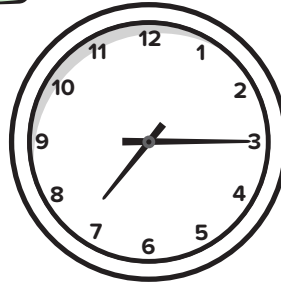


Reflect this shape in the line of symmetry

4

60 minutes = 1 hour

5



Quarter past 7

Half past 4

Quarter to 5

8

	Amy	Anna
Pet	Cat	Parrot
Sport	Hockey	Squash

What sport does Anna play?

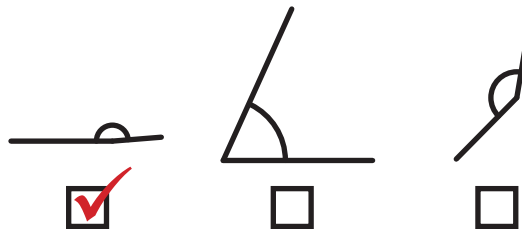
2

Use the least coins to make 65p



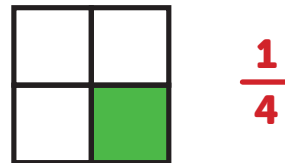
6

Tick the biggest angle



7

What fraction is shaded?

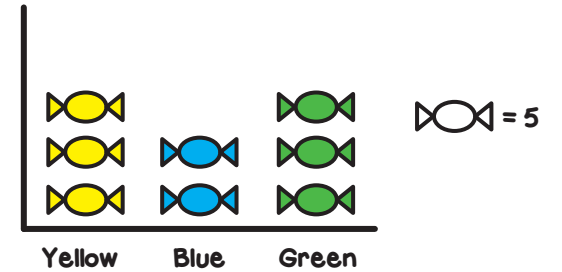


$\frac{1}{4}$

3

24 hours = 1 day

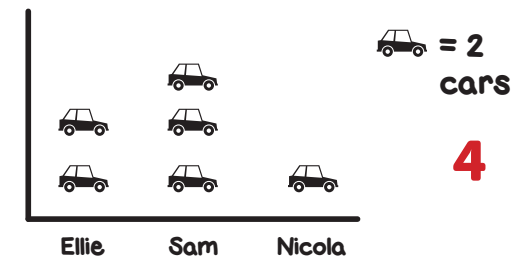
9



How many yellow sweets? **15**

10

How many cars were washed by Ellie?



MY LAST SCORE?!

HAVE I BEAT THAT?!



ANSWERS

SAFE 7

SET: 6

/10

1



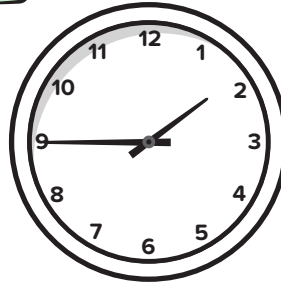
Reflect this shape in the line of symmetry

4

60

minutes = 1 hour

5



Quarter past 3

Half past 1

Quarter to 2

8

	James	Alex
Food	Pizza	Soup
Drink	Water	Juice

What food did Alex eat?

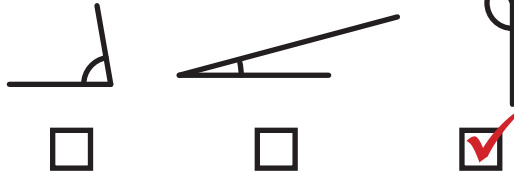
2

Use the least coins to make 88p



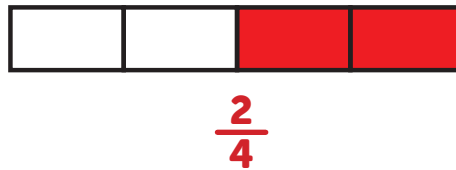
6

Tick the biggest angle

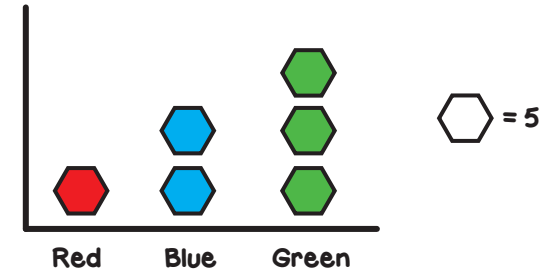


7

What fraction is shaded?



9



How many green gems? **15**

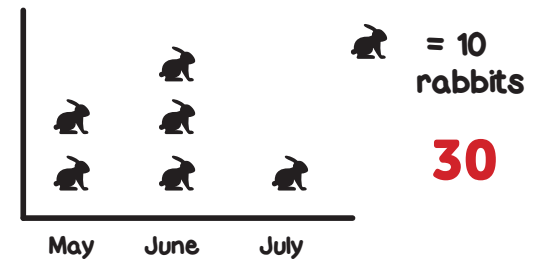
3

24

hours = 1 day

10

How many rabbits were born in June?



30



MY LAST SCORE?!

HAVE I BEAT THAT?!



ANSWERS

SAFE 7

SET: 7

/10

1



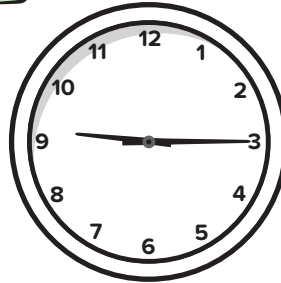
Reflect this shape in the line of symmetry

4

60

minutes = 1 hour

5



Half past 7

Quarter to 9

Quarter past 9

8

	Dan	Ben
City	Leeds	London
Transport	Train	Car

What city did Ben visit?

2

Use the least coins to make 28p



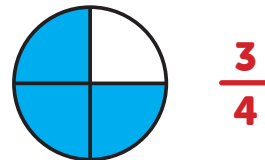
6

Tick the biggest angle



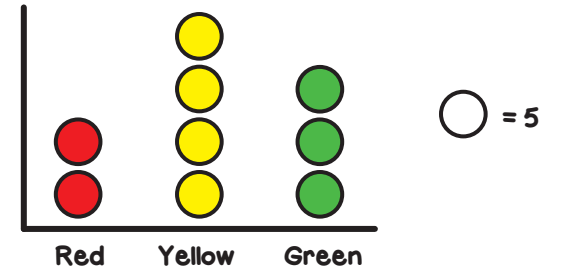
7

What fraction is shaded?



$\frac{3}{4}$

9



How many yellow balls? **20**

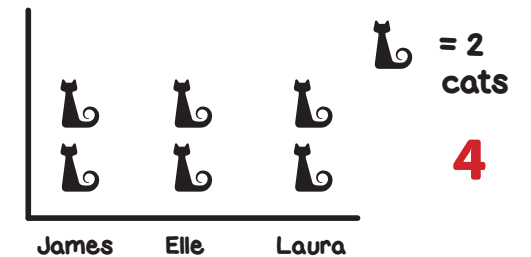
3

24

hours = 1 day

10

How many cats were rescued by James?



MY LAST SCORE?!

HAVE I BEAT THAT?!



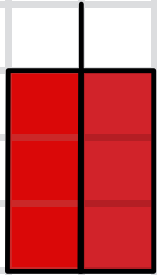
ANSWERS

SAFE 7

SET: 8

/10

1

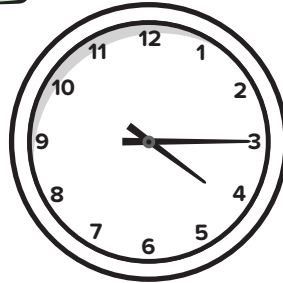


Reflect this shape in the line of symmetry

4

60 minutes = 1 hour

5



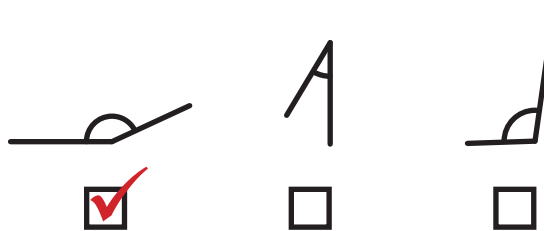
Half past 11

Quarter to 8

Quarter past 4

6

Tick the biggest angle



7

What fraction is shaded?



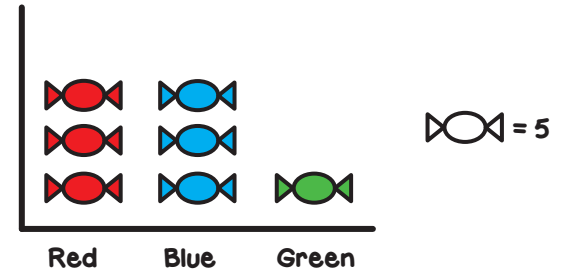
$\frac{3}{4}$

8

	Kirsty	Hannah
Sport	Tennis	Running
Food	Pasta	Rice

What sport did Hannah play?

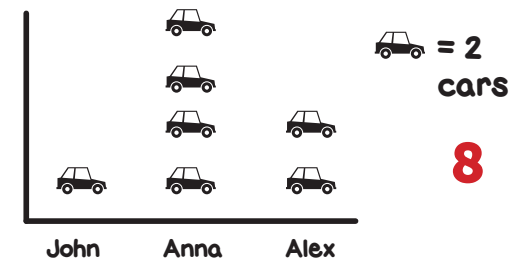
9



How many red sweets? **15**

10

How many cars did Anna wash?



8

3

24 hours = 1 day



MY LAST SCORE?!

HAVE I BEAT THAT?!



ANSWERS

SAFE 7

SET: 9

/10

1



Reflect this shape in the line of symmetry

2

Use the least coins to make 81p



3

24

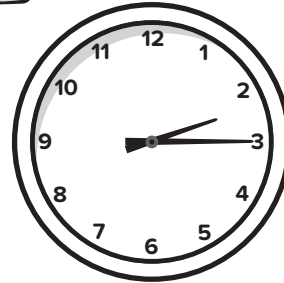
hours = 1 day

4

60

minutes = 1 hour

5



Half past 3

Quarter to 4

Quarter past 2

6

Tick the biggest angle



7

What fraction is shaded?



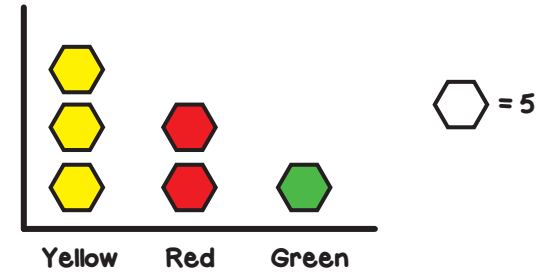
$\frac{1}{4}$

8

	Becky	Chris
Pet	Cat	Rabbit
Drink	Milk	Water

What pet does Chris have?

9

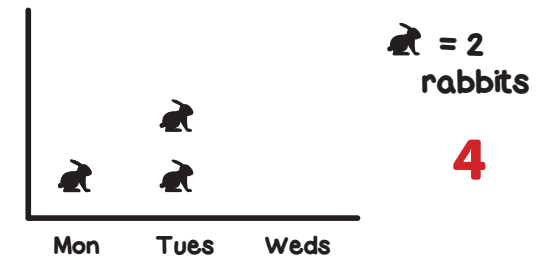


How many red gems?

10

10

How many rabbits were seen on Tuesday?



4



MY LAST SCORE?!

HAVE I BEAT THAT?!



ANSWERS

SAFE 7

SET: 10

/10

1

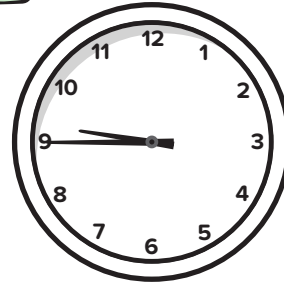


Reflect this shape in the line of symmetry

4

60 minutes = 1 hour

5



Half past 2

Quarter to 10

Quarter past 3

8

	James	Eve
Hobby	Painting	Dancing
Food	Pizza	Pasta

What food did Eve eat?

2

Use the least coins to make 72p

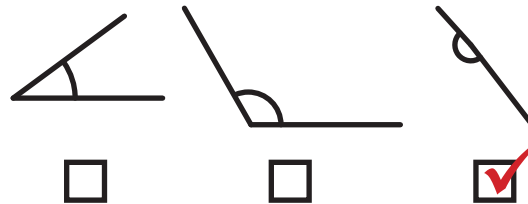


3

24 hours = 1 day

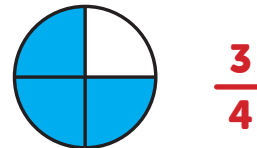
6

Tick the biggest angle



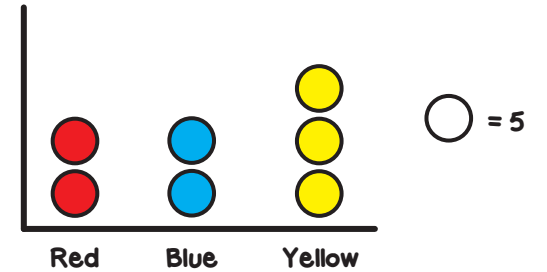
7

What fraction is shaded?



$\frac{3}{4}$

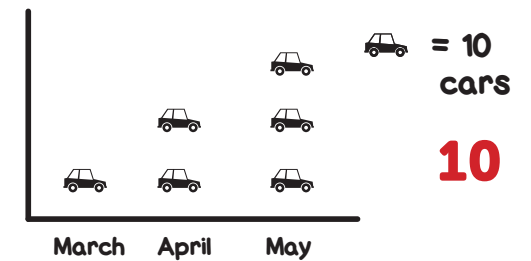
9



How many blue balls? **10**

10

How many cars were bought in March?



10



MY LAST SCORE?!

HAVE I BEAT THAT?!

