

Bancroft's *Prep*

Mathematics— 7+ Sample Questions

These questions are designed to be representative of the format of the questions and the mathematical skills that might be covered in our test.

The questions, in the test your child will sit, will be different .



Can you work out the answers to these sums?

$3 + 2 = \square$

$9 + 6 + 8 = \square$

$12 - 4 = \square$

$18 - 9 = \square$

$5 \times 4 = \square$

$6 \times 3 = \square$



Work out the answer to these sums. You can do them any way you like, draw a number line if it helps you.

$32 + 14 =$



$23 + 15 =$



$46 - 29 =$



$73 - 36 =$



$4 \times \square = 8$

$9 = 6 \square 3$



$9 \square 4 - 2 = 11$

$2 \times 4 = 4 \square 4$



The rule for this number sequence is **Add 4**. Add the next two numbers.

3, 7, 11, 15, 19, 23, _____, _____

What is the rule for this pattern?

25, 22, 19, 16, 13, 10, 7, 4, 1

The rule is





Write these numbers in order starting with the smallest.

14 2 29 154 132 99 123



Look at these numbers:

74 27 64 15 20
45 39 68 3

Tick two numbers that are **greater than 50**.

Cross two numbers that are **less than 40**.

Circle a number with **6 tens**

Shade the number **with 5 units**



Spotty has 5 football stickers. He then buys another pack of 12, but gives 6 of them to his little sister. How many stickers does he have left in total?



Spotty has 25 Top Trump cards. His friend has 17 more. How many Top Trump cards does his friend have?

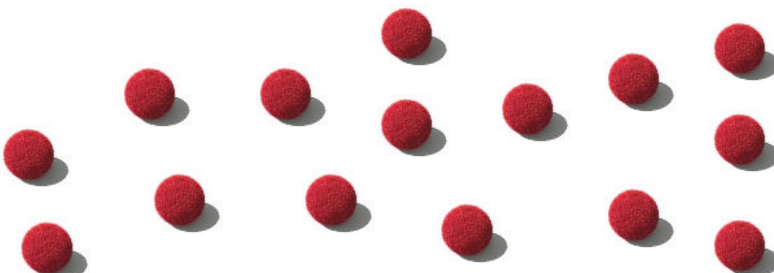


Spotty buys a mango and a kiwi. How much more is the mango than the kiwi?

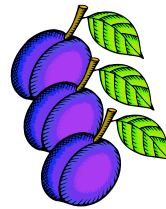
Strawberries	38p
Banana	42p
Mango	50p
Kiwi	26p



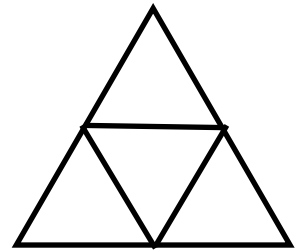
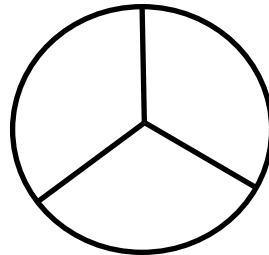
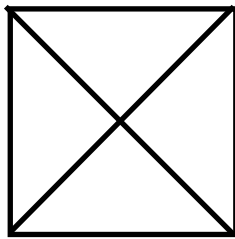
Spotty has a bag of red balls. He has 15 balls in the bag. He takes some out, leaving 4 balls in the bag. How many balls did he take out?



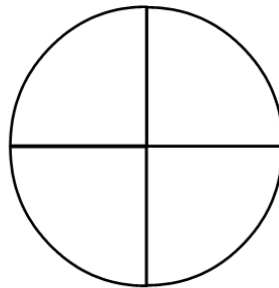
Spotty bought 3 plums.
He paid with 40p and got 10p change.
How much did each plum cost?



Put a tick beside each shape which has been divided into quarters.



Shade three quarters of this shape.



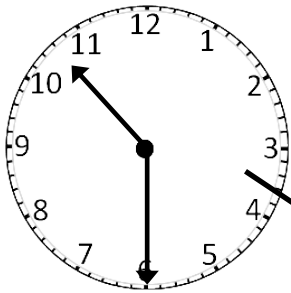
Spotty chooses four different coins from the box.
What is the difference between the largest and smallest amounts he can have?



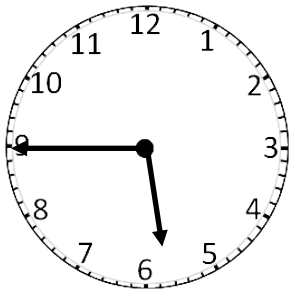
Match the items on the left to how much you think they weigh
The first one has been done for you.

- | | |
|------------------|------|
| A bag of sugar | 10g |
| A grown up man | 85kg |
| A glass of water | 1kg |
| A pencil | 300g |

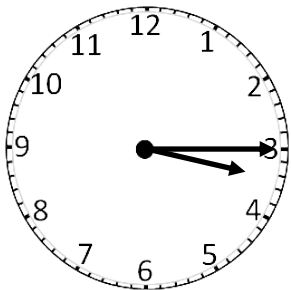
Draw a line from each clock to the correct time. One has been done for you.



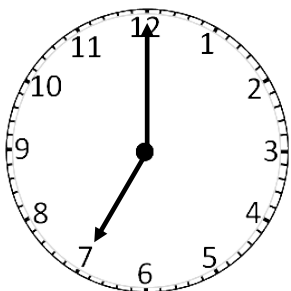
quarter past 3



half past 10



7 o'clock

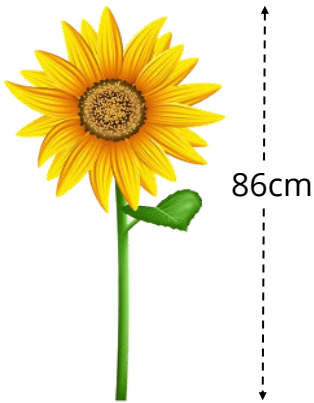


quarter to 6

Fill in the missing number.

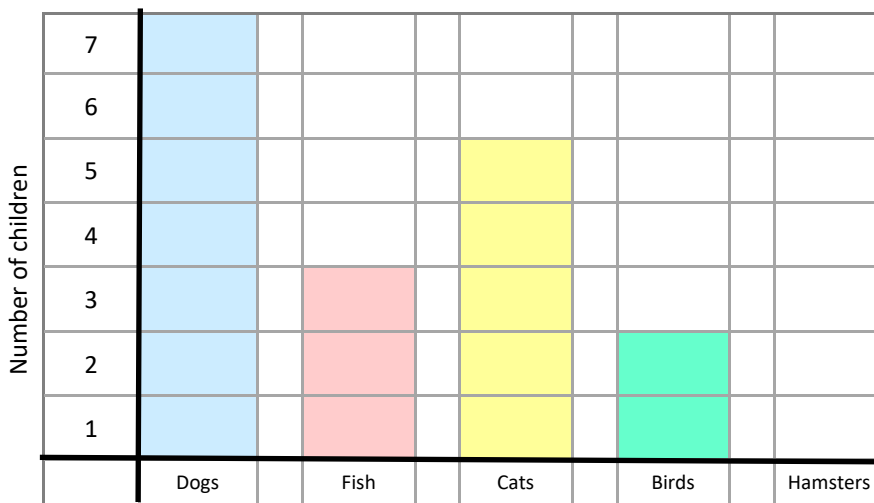
$$\boxed{} + 220 + 140 = 520$$

Spotty's sunflower is 86cm tall. It grows until it has doubled its height.
How tall is it now?



Look at the bar chart below. Answer the questions underneath.

Bar chart showing the pets owned by the children in class 1B



- Four children have a pet hamster. Draw a bar on the chart to show this.
- How many children have a cat?
- Every child in the class owned one pet. How many children were in the class

