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# Year 2 Reading Advice for Parents

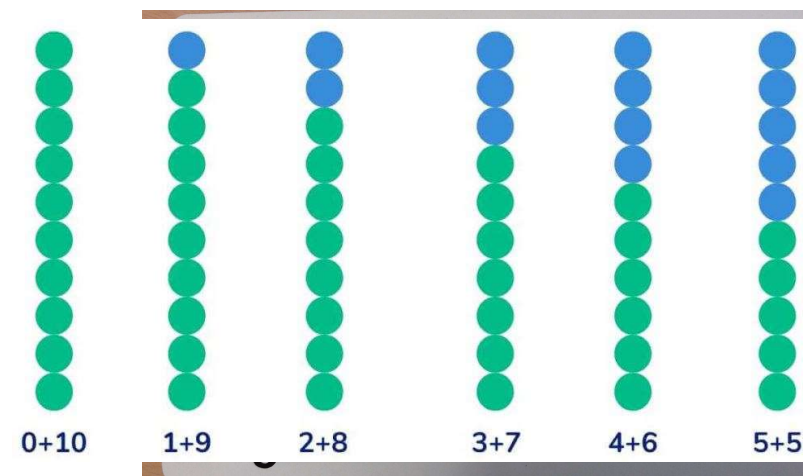


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# Working Towards the Year Two Maths Expectation

- \*Read and write numbers in numeral to 100.
- \*Partition a two-digit number into tens and ones and show their understanding using resources.
- \*Add and subtract two-digit numbers and ones ( $12+9$ ), and two-digit numbers and tens where no regrouping is required ( $51+25$ ).
- \*Recall at least four of the six number bonds for 10.
- \*Count in twos, fives and tens from 0 and use this to problem solve.
- \*Know the value of different coins.
- \*Name 2-D and 3-D shapes and describe some of their properties.





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# Year Two Maths Expectation

- \* Read scales in division of ones, twos, fives and tens.
- \* Partition any two-digit number into different combinations of tens and ones, explaining their thinking verbally, in pictures or using apparatus.
- \* Add and subtract any 2 two-digit numbers using an efficient strategy (48 + 35; 72 - 17)
- \* Recall all number bonds to and within 10 and use these to reason with and calculate bonds to and within 20, recognising other associated additive relationships. (e.g. If 7 + 3 = 10 then 17 + 3 = 20, if 7 - 4 = 3, then 17 - 4 = 14)
- \* Recall multiplication and division facts for 2, 5 and 10 and use them to solve simple problems.



47

$$\begin{aligned}40 + 7 &= 47 \\30 + 17 &= 47 \\20 + 27 &= 47 \\10 + 37 &= 47 \\0 + 47 &= 47\end{aligned}$$

83

$$\begin{aligned}80 + 3 &= 83 \\70 + 13 &= 83 \\60 + 23 &= 83 \\50 + 33 &= 83 \\40 + 43 &= 83 \\30 + 53 &= 83 \\20 + 63 &= 83 \\10 + 73 &= 83 \\0 + 83 &= 83\end{aligned}$$

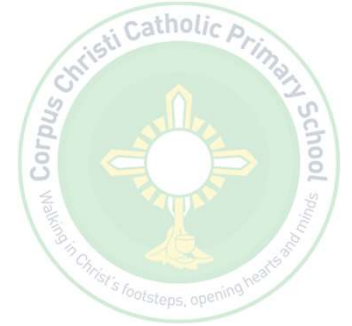
61

$$\begin{aligned}60 + 1 &= 61 \\50 + 11 &= 61 \\40 + 21 &= 61 \\30 + 31 &= 61 \\20 + 41 &= 61 \\10 + 51 &= 61 \\0 + 61 &= 61\end{aligned}$$



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# Year Two Maths Expectation

- \*Identify  $\frac{1}{4}$ ,  $\frac{1}{3}$ ,  $\frac{1}{2}$ ,  $\frac{2}{4}$ ,  $\frac{3}{4}$  of a number or shape, and know that all parts must be equal of the whole.
- \*Use different coins to make the same amount.
- \*Read the time on a clock to the nearest 15 minutes.
- \*Name and describe properties of 2-D and 3-D shapes, including number of sides, vertices, edges, faces and lines of symmetry.

51p	
85p	
£1.20	
£2.20	
£2.11	
£3.07	



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# How can I help at home...

- \* Build fluency to add, subtract, multiply and divide numbers speedily.
- \* Add 2 two-digit numbers using column.
- \* Subtract 2 two-digit numbers using column.
- \* Multiply
- \* Divide
- \* Find a fraction of a number.



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# Mental Fluency

Fluency is very important in Maths. The online game below is extremely helpful in supporting your child in becoming fluent using numbers.

*Click on the image below (when in slideshow view) and it will take you to the website. The website is called Topmarks and has many other useful games.*

**Daily 10**

**Mental Maths Challenge**

You will be asked 10 questions.  
Write down each of your answers.  
Check your answers at the end.

Choose your question interval to start:

3 secs	5 secs	7 secs	10 secs	15 secs	20 secs	Manual
--------	--------	--------	---------	---------	---------	--------



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$$34 + 25 =$$

T	O
3	4
2	5
<hr/>	
5	9
<hr/>	





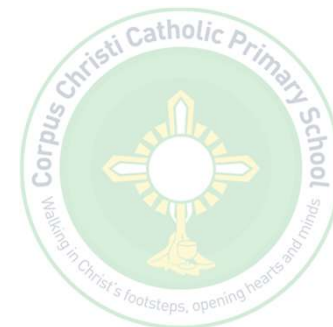
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$$34 + 29 =$$

T	O
3	4
2	9
<hr/>	
1	3
5	0
<hr/>	
6	3







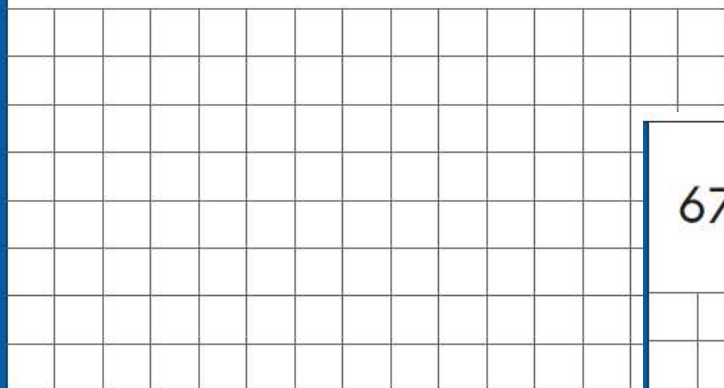
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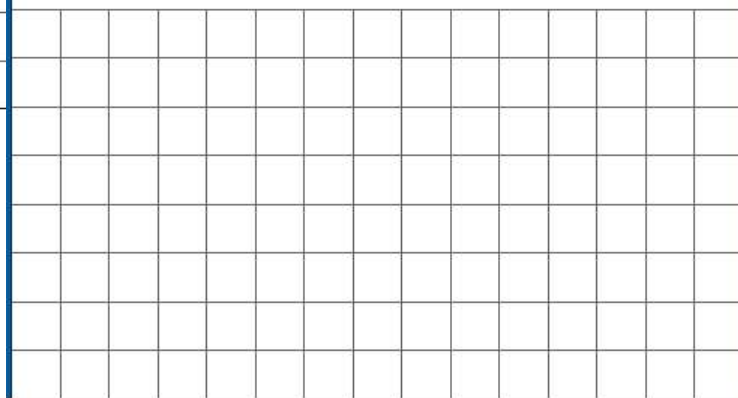


# Example of questions

$54 + 22 =$



$67 + 33 =$



$99 + 10 =$



1 mark

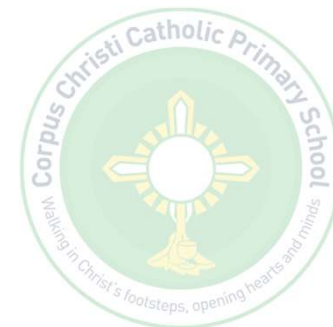


1 mark



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# Example of reasoning problems

Use four **different** number cards to complete the number sentences below.

5   15   25   35   45   55

$$\square + \square = 60$$

$$\square + \square = 60$$



biscuits  
20p each



cakes  
25p each

Sam buys **3** biscuits and **1** cake.

How much does Sam spend **altogether**?

Write the **same** number in both boxes to make the sum correct.

$$\square + \square = 26$$



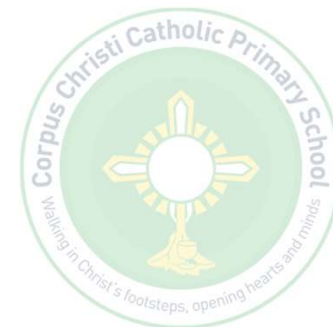
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$$57 - 25 =$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 57 \\ - 25 \\ \hline 32 \end{array}$$





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$$52 - 25 =$$

$$\begin{array}{r} 4 \overline{) \begin{array}{r} T \quad O \\ 5 \quad 2 \\ 2 \quad 5 \\ \hline 2 \quad 7 \end{array}} \end{array}$$





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# Example of questions

$$59 - 15 =$$



1 mark

$$74 - 47 =$$

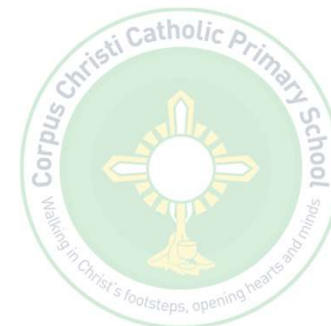


1 mark



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# Example of reasoning problems



35p

Amy buys **one** pear for 35p.

She pays with a 50p coin.



How much change does Amy get?

p

Write two numbers that are **greater than 20** to make this subtraction correct.

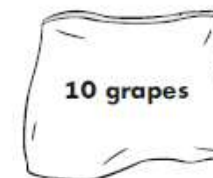
$$\square - \square = 2$$

Ben has **7** bags of grapes.

Each bag has **10** grapes.

Ben gives **25** grapes to his friends.

How many grapes does he have **left**?



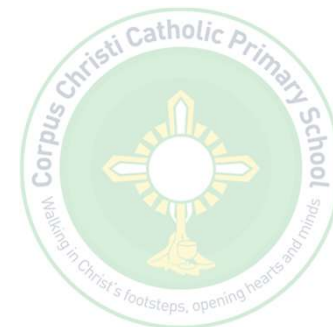
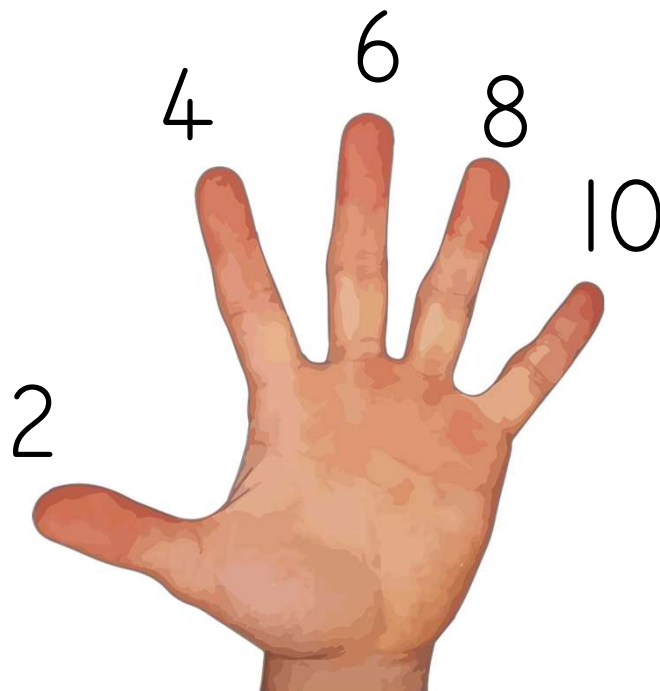


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$$5 \times 2 =$$



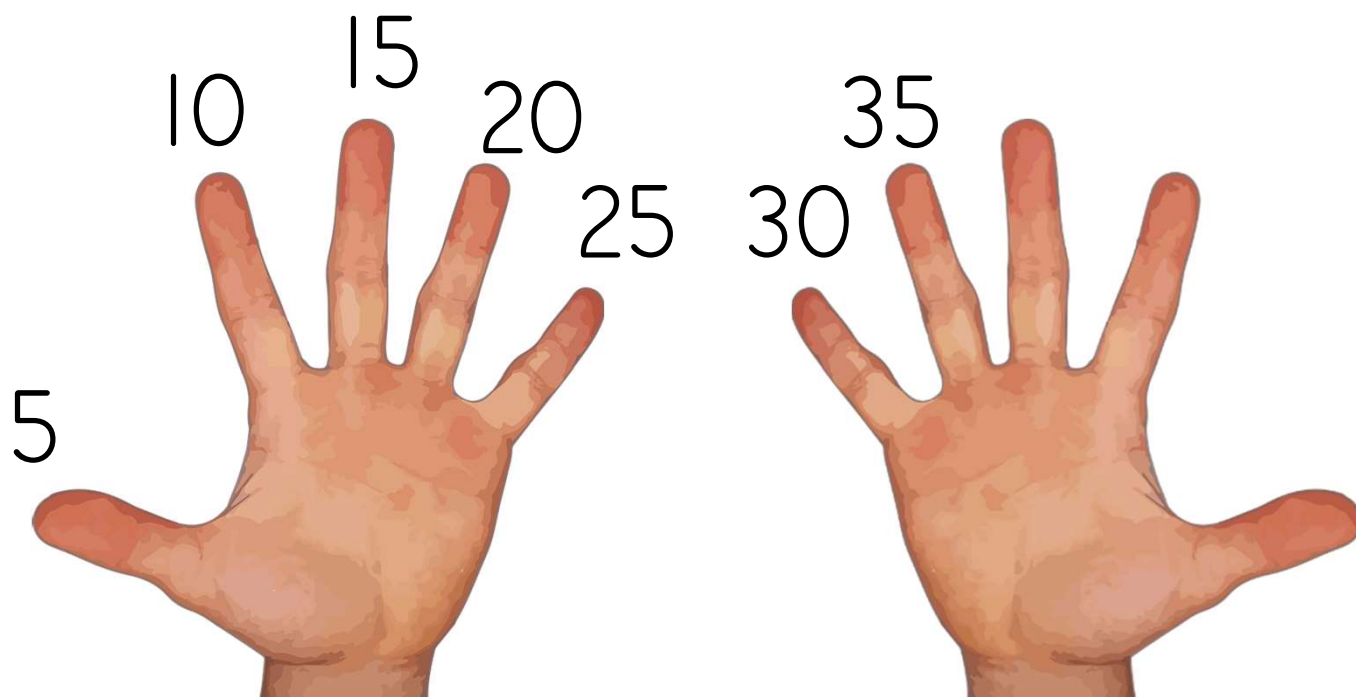


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$$7 \times 5 =$$







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## Example of questions

$7 \times 2 =$



1 mark

$6 \times 10 =$



1 mark



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# Example of reasoning problems

Sita puts **10** balls in each bag.



How many balls are in the bags **altogether**?

balls

5

40

8

Use only these numbers to make a **different** number sentence each time.

One is done for you.

$$5 \times 8 = 40$$

$$\square \times \square = \square$$

$$\square \div \square = \square$$



A classroom has **6** tables.

Each table has **5** children sitting at it.

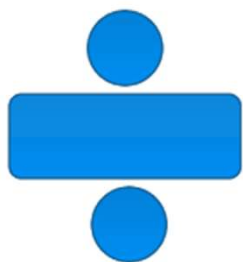
Complete the number sentence to show how many children there are **altogether**.

$$\square \times \square = \square \text{ children}$$

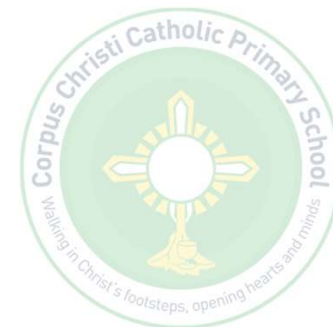
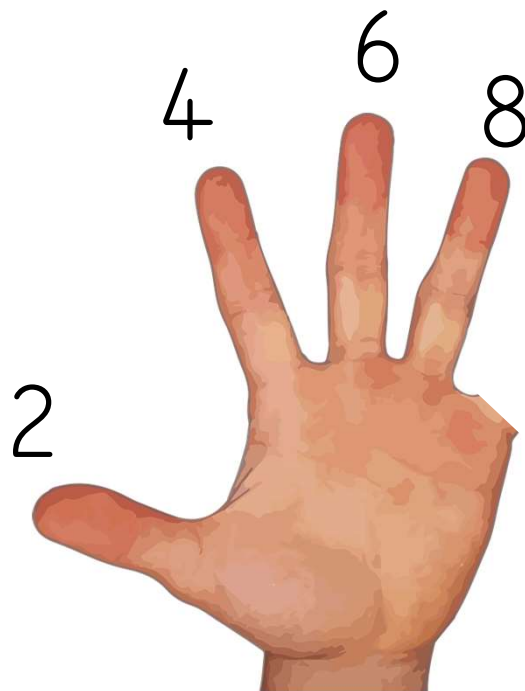


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$$8 \div 2 =$$



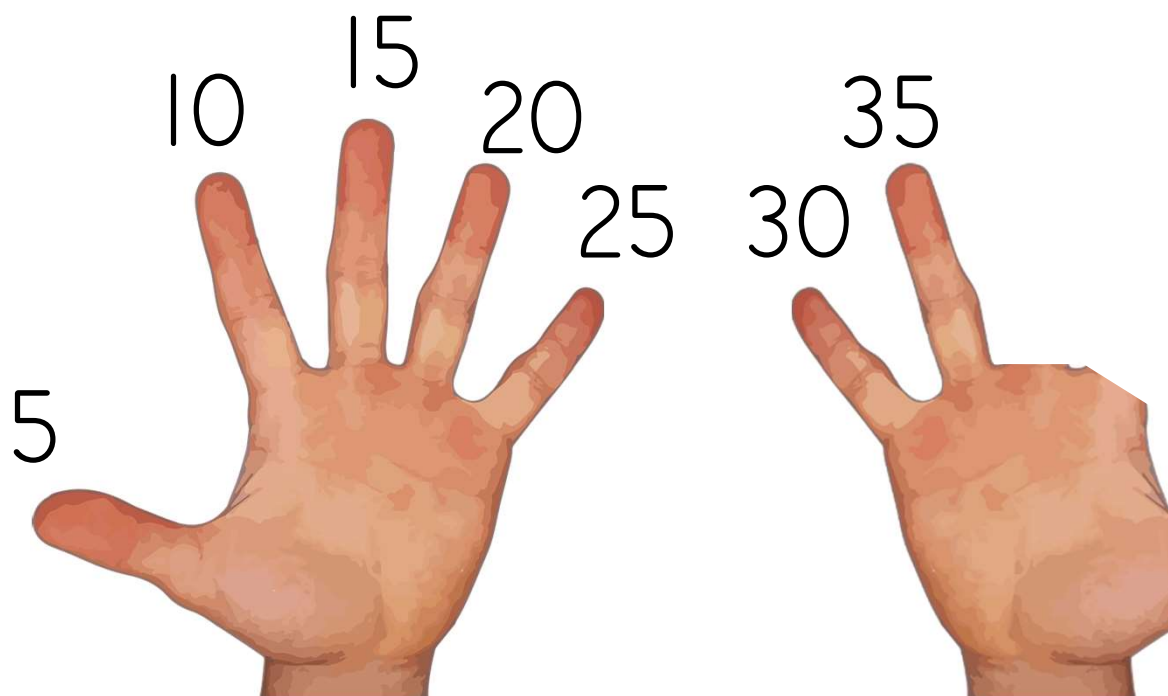


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$$35 \div 5 =$$





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# Example of questions

$8 \div 2 =$



1 mark

$120 \div 10 =$



1 mark



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# Example of reasoning problems



A shopkeeper has **20** fish and **5** fish bowls.

He puts the same number of fish in each bowl.

How many fish go in each bowl?

  
fish

Ajay has **20p** in 2p coins.

How many 2p coins does Ajay have?

  
coins

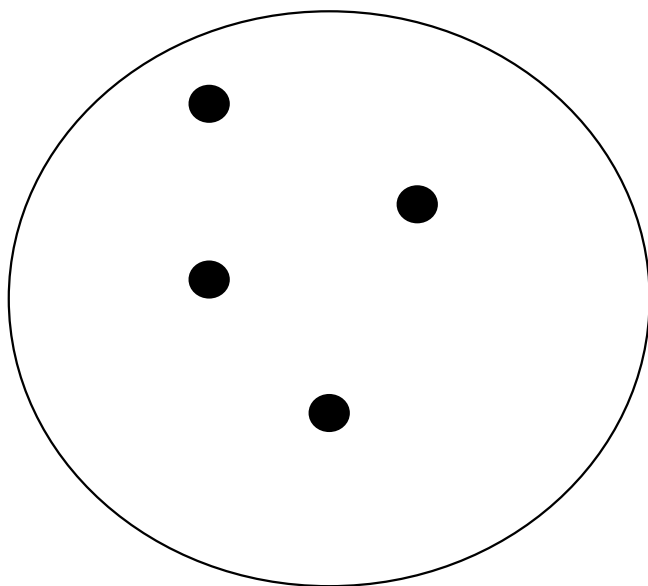


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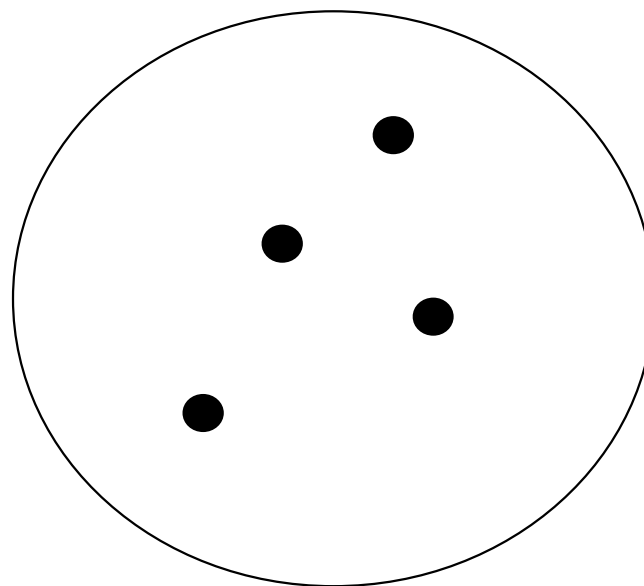
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$\frac{1}{2}$

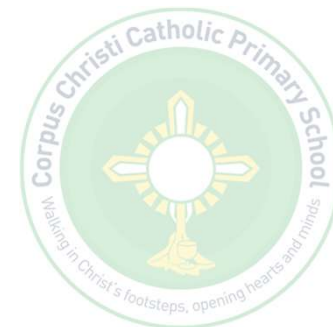
$$\frac{1}{2} \text{ of } 8 = 4$$



4



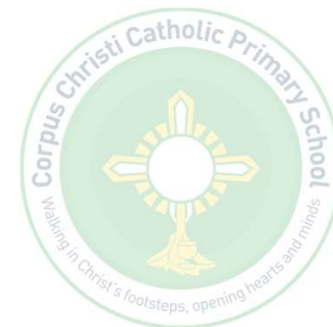
4





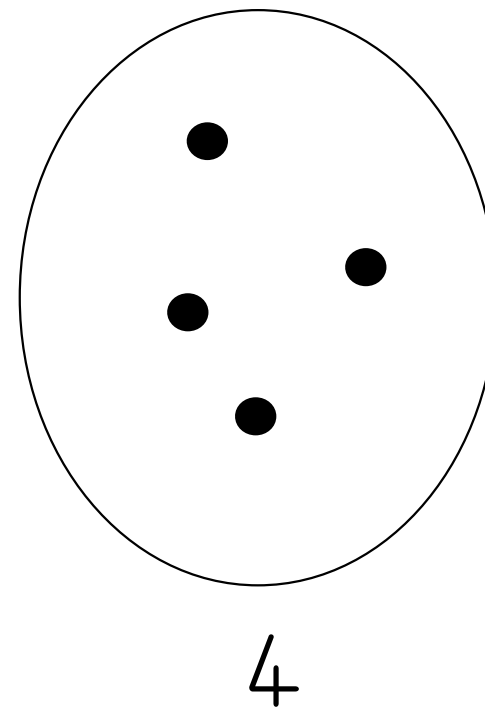
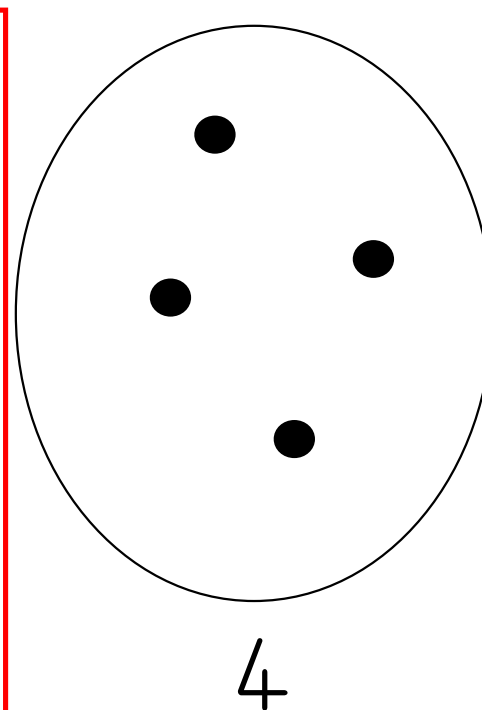
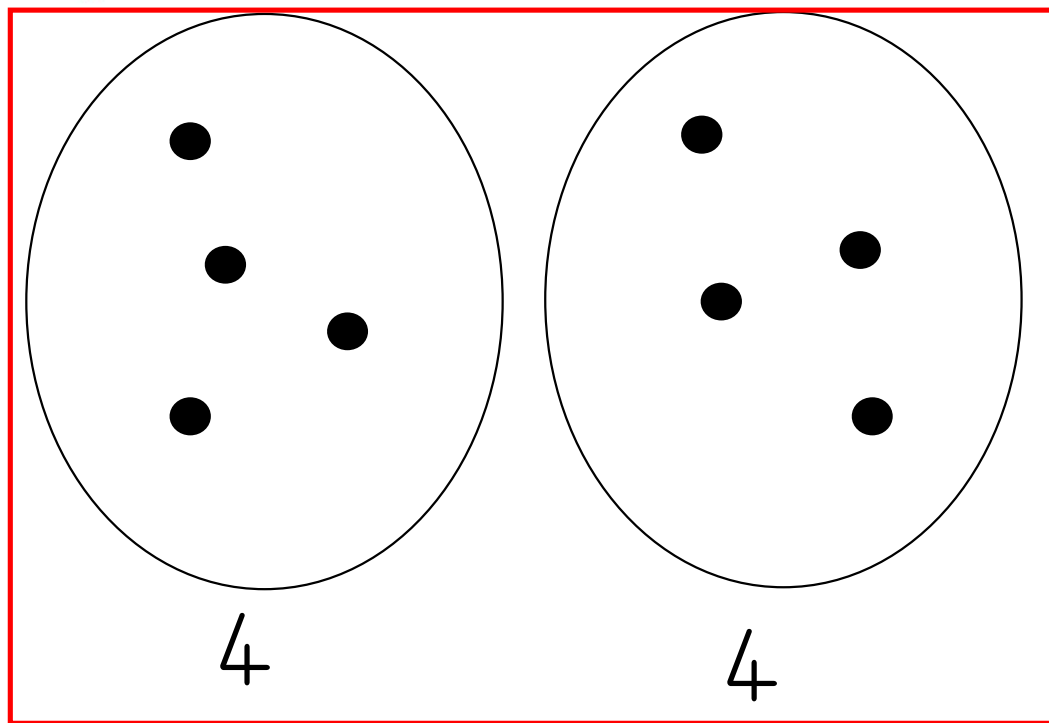
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$\frac{1}{4}$

$$\frac{2}{4} \text{ of } 16 = 8$$







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## Example of questions

$$\frac{1}{4} \text{ of } 24 =$$



1 mark

$$\frac{2}{4} \text{ of } 36 =$$



1 mark



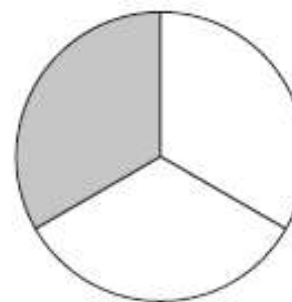
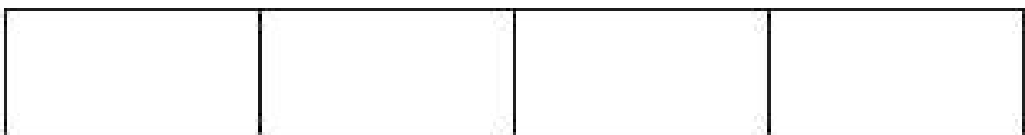
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# Example of reasoning problems

Shade  $\frac{3}{4}$  of this shape.



$$\frac{1}{2} \quad \square$$

$$\frac{1}{4} \quad \square$$

$$\frac{1}{3} \quad \square$$

$$\frac{3}{4} \quad \square$$



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## Mini Challenges to help at home

Adding up a  
'shopping list'

Telling the  
time

Paying in a shop  
using money

Create verbal problems  
e.g. the pizza has 8 slices. How many do we  
get each if we share them between us?

Finding shapes  
around you

Discussing the  
day or month?

Reading the  
Temperature.