

Name \_\_\_\_\_ Date \_\_\_\_\_

# Estimates, estimates

## Refresher

1 Estimate how many drinks you have in a week.

About  in a day.  
  $\times 7 =$  about  in a week.



2 Estimate how many bags of crisps you eat in a year.

About  in a week.  
  $\times 52 =$  about  in a year.



3 Estimate how many children are in Years 3, 4, 5 and 6.

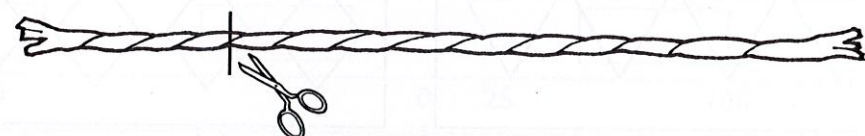
About  in a year.  
  $\times 4 =$  about  in years 3, 4, 5 and 6.



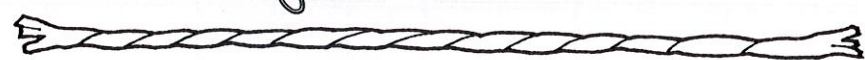
## Practice

1 Draw a line to show where to cut the rope.

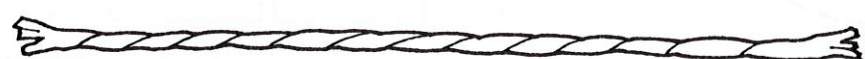
Example:  $\frac{1}{4}$



a  $\frac{1}{5}$



b  $\frac{2}{3}$



c  $\frac{9}{10}$



d  $\frac{2}{6}$



2 Estimate how many slices of bread your family eat in a year.

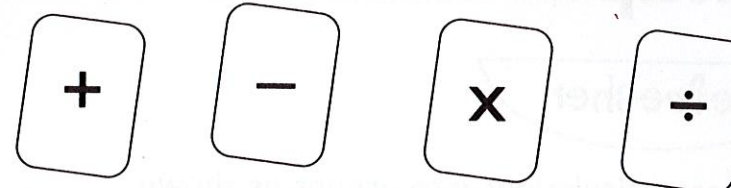
About  in a week.  
  $\times 52 =$  about  in a year.



Name \_\_\_\_\_ Date \_\_\_\_\_

# Multiplication and division facts

## Refresher



Write in the missing signs.

- |                                  |                                |                                  |                                 |
|----------------------------------|--------------------------------|----------------------------------|---------------------------------|
| 1 a $6 \underline{\quad} 7 = 42$ | e $5 \underline{\quad} 4 = 20$ | 2 a $4 \underline{\quad} 7 = 11$ | e $8 \underline{\quad} 3 = 24$  |
| b $6 \underline{\quad} 7 = 13$   | f $24 \underline{\quad} 3 = 8$ | b $20 \underline{\quad} 3 = 17$  | f $8 \underline{\quad} 4 = 2$   |
| c $18 \underline{\quad} 9 = 9$   | g $25 \underline{\quad} 5 = 5$ | c $32 \underline{\quad} 4 = 8$   | g $12 \underline{\quad} 5 = 17$ |
| d $18 \underline{\quad} 6 = 3$   | h $7 \underline{\quad} 7 = 0$  | d $32 \underline{\quad} 4 = 28$  | h $12 \underline{\quad} 4 = 3$  |

## Practice

Write a multiplication or division calculation for each of the following.  
 Then work out the answer.

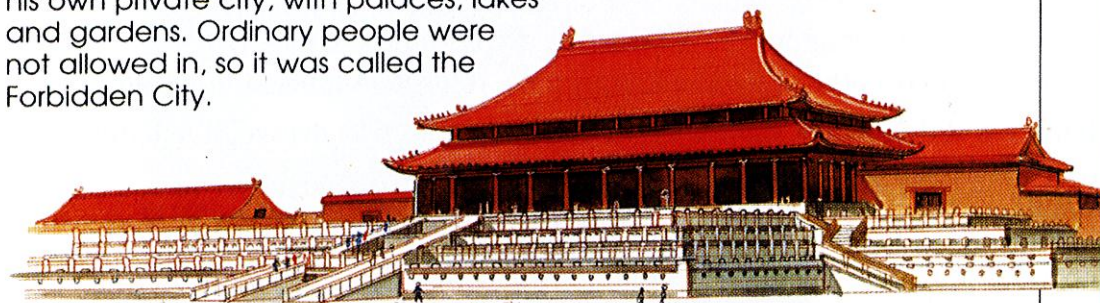
	Calculation	Answer
1	What is the product of 8 and 7?	
2	What is 9 times itself?	
3	There are 72 biscuits. Each packet contains 9 biscuits. How many packets?	
4	How many times does 4 go into 84?	
5	What are 5 lots of 12?	
6	What is the quotient of 24 and 6?	
7	A baker uses 7 dozen eggs per day. How many eggs is this?	
8	There are 52 playing cards in a "deck". Split the deck between 4 players. How many cards do they each get?	
9	John has 6 blue marbles and 7 times as many green marbles. How many marbles does he have altogether?	
10	What is 49 divided by 7?	



# Amazing buildings

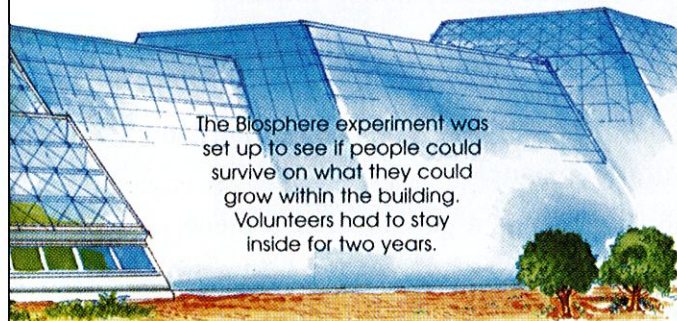
This page is from a factfinder book about the wonders of the world.

In Beijing, China, the Emperor lived in his own private city, with palaces, lakes and gardens. Ordinary people were not allowed in, so it was called the Forbidden City.



The Biosphere, in the Arizona desert, US, was like a huge greenhouse, containing different habitats, each with plants and animals.

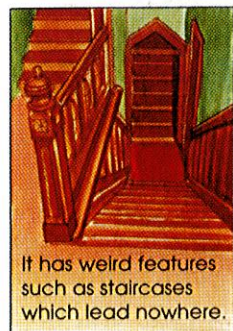
The Palace of Versailles in France is 580 metres long and is the biggest palace in the world. It was built for King Louis XIV in 1682.



The Biosphere experiment was set up to see if people could survive on what they could grow within the building. Volunteers had to stay inside for two years.



One of the strangest houses in the world is in California, US. Its owner, Sarah Winchester, was afraid of ghosts and believed that they would harm her unless she kept doing building work on the house. Work went on for 38 years!



It has weird features such as staircases which lead nowhere.



The house started with 18 rooms and ended with 160!

**A**

- 1 Who lived in the Forbidden City?
- 2 Who wasn't allowed in the Forbidden City?
- 3 Who lived in the Palace of Versailles?
- 4 Why did Sarah Winchester keep on adding new parts to her house?
- 5 a) Would you have preferred to have lived in The Forbidden City, The Palace at Versailles, or in Sarah Winchester's house?  
b) Give a good reason explaining why you chose this place to live.

**B**

- 1 Where did the Biosphere people get their food from?
- 2 Why do you think they built the Biosphere in the middle of a desert?
- 3 Why did the Biosphere have to be so big?
- 4 Which one of all the buildings on this page do you think was the most useful? Give a good reason for your answer.
- 5 Which one of the buildings on this page do you think was the most useless? Give a good reason for your answer.

**C**

An Alien Spaceship lands outside your school. The Aliens are friendly. They want to learn all about how different people live on Planet Earth. They can't stay long so they ask you to make them a **guidebook**.

They want to be guided to:

- a) The home of a very rich person.
- b) A very unusual home.
- c) The home of a child.

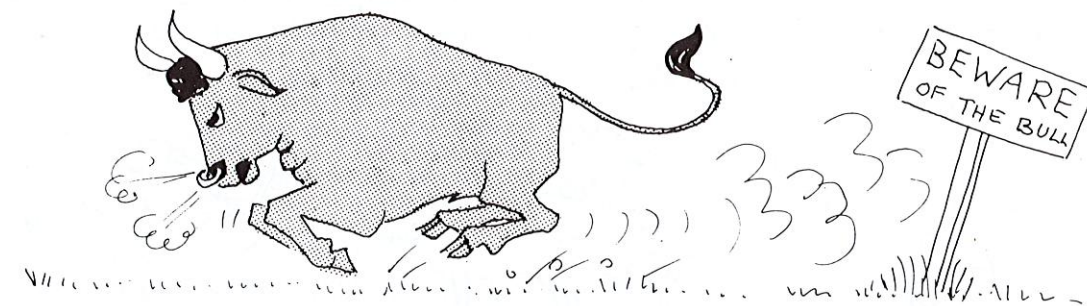
If possible they want to know **where** these three places are, **what** they have inside them, **why** they are built the way they are, **when** they were built, **how** they were made (this might include the different materials they were made out of), and **who** lives, or lived, in them.

Make a separate page for each of the three places. Use the information on the opposite page for a and b. Use your own home for c.



A Complete these sentences by adding suitable **adverbs**.

- 1 The lifeguard swam \_\_\_\_\_ as there was no time to lose.
- 2 The fireman struggled \_\_\_\_\_ but he could not reach the trapped man.
- 3 The thrush sang \_\_\_\_\_ as it perched on the garden fence.
- 4 The guard dog barked \_\_\_\_\_ as the two men went towards the gate.
- 5 Brian and Derek played \_\_\_\_\_ and woke up the baby.
- 6 The rain fell \_\_\_\_\_ so we all ran under the tree.
- 7 The aeroplane landed \_\_\_\_\_ in spite of the fog.
- 8 Everyone laughed \_\_\_\_\_ when they watched the clowns.
- 9 Pam worked her sums \_\_\_\_\_ and finished \_\_\_\_\_.
- 10 I bumped into the old man \_\_\_\_\_ as he turned \_\_\_\_\_ into the street.
- 11 The storm arose \_\_\_\_\_, and we rowed \_\_\_\_\_ for the shore.
- 12 The angry bull rushed \_\_\_\_\_ at the boys who had to climb \_\_\_\_\_ up the oak tree.



B Use the following pairs of words, **verbs** and **adverbs**, in sentences of your own.

- |                           |                       |
|---------------------------|-----------------------|
| 1 limped slowly           | 7 talked quietly      |
| 2 crashed heavily         | 8 swam strongly       |
| 3 marched smartly         | 9 cried frantically   |
| 4 shone brightly          | 10 laughed merrily    |
| 5 argued noisily          | 11 listened patiently |
| 6 discovered accidentally | 12 increased rapidly  |