

## Year 6 Activities

### Favourite food

- ◆ Ask your child the cost of a favourite item of food.  
Ask them to work out what 7 of them would cost, or 8, or 9.  
How much change would there be from £50?
- ◆ Repeat with his / her least favourite food.  
What is the difference in cost between the two?

### Sale of the century

- ◆ When you go shopping, or see a shop with a sale on, ask your child to work out what some items would cost with:
  - 50% off
  - 25% off
  - 10% off
  - 5% off
- ◆ Ask your child to explain how she worked it out.

### TV addicts

Ask your child to keep a record of how long he / she watches TV each day for a week. Then ask him / her to do this.

- ◆ Work out the total watching time for the week.
- ◆ Work out the average watching time for a day  
(that is, the total time divided by 7).

Instead of watching TV, you could ask them to keep a record of time spent eating meals, or playing outdoors, or anything else they do each day. Then work out the daily average.

### Fours

- ◆ Use exactly four 4s each time.
- ◆ You can add, subtract, multiply or divide them.
- ◆ Can you make each number from 1 to 100?
- ◆ Here are some ways of making the first two numbers.

$$1 = (4 + 4)/(4 + 4)$$

$$2 = 4/4 + 4/4$$

### Rhymes

Make up rhymes together to help your child to remember the harder times-tables facts, e.g.

**6 x 7 = 42 phew! 7 x 7 = 49 fine! 6 x 8 = 48 great!**

### **Four in a line**

Draw a 6 x 7 grid.

Fill it with numbers under 100.

26	54	47	21	19	5	38
9	25	67	56	31	49	13
39	41	6	1	75	28	90
14	50	81	23	43	4	37
45	29	72	34	7	58	17
36	2	55	11	22	40	42

- ◆ Take turns.
- ◆ Roll three dice, or roll one dice three times.
- ◆ Use all three numbers to make a number on the grid.
- ◆ You can add, subtract, multiply or divide the numbers, e.g. if you roll 3, 4 and 5, you could make  $3 \times 4 - 5 = 7$ ,  $54 \div 3 = 18$ ,  $(4 + 5) \times 3 = 27$ , and so on.
- ◆ Cover the number you make with a coin or counter.
- ◆ The first to get four of their counters in a straight line wins.

### **Recipes**

Find a recipe for 4 people and rewrite it for 8 people, e.g.

4 people

125g flour  
50g butter  
75g sugar  
30ml treacle  
1 teaspoon ginger

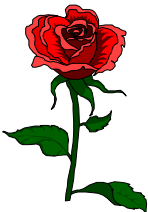
8 people

250g flour  
100g butter  
150g sugar  
60ml treacle  
2 teaspoons ginger

Can you rewrite it for 3 people? Or 5 people?

### **Flowers**

- ◆ Take turns to think of a flower.



- ◆ Use an alphabet code, A = 1, B = 2, C = 3... up to Z = 26.
- ◆ Find the numbers for the first and last letters of your flower, e.g. for a ROSE, R = 18, and E = 5.
- ◆ Multiply the two numbers together, e.g.  $18 \times 5 = 90$ .
- ◆ The person with the biggest answer scores a point.
- ◆ The winner is the first to get 5 points.

When you play again you could think of animals, or countries.

### **One million pounds**

Assume you have £1 000 000 to spend or give away.

Plan with your child what to do with it, down to the last penny.

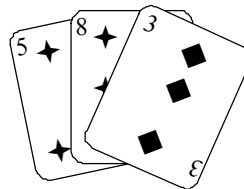
£1,000,000

### **Card game**

Use a pack of playing cards.

Take out the jacks, queens and kings.

- ◆ Take turns.
- ◆ Take a card and roll a dice.
- ◆ Multiply the two numbers.
- ◆ Write down the answer. Keep a running total.
- ◆ The first to go over 301 wins!



### **Remainders**

Draw a 6 x 6 grid like this.

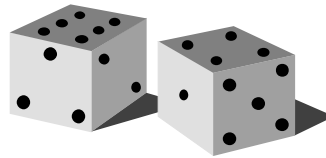
- ◆ Choose the 7, 8 or 9 times table.
- ◆ Take turns.
- ◆ Roll a dice.
- ◆ Choose a number on the board, e.g. 59.

82	33	60	11	73	22
65	12	74	28	93	51
37	94	57	13	66	38
19	67	76	41	75	85
86	29	68	58	20	46
50	69	30	78	59	10

- ◆ Divide it by the tables number, e.g. 7. If the remainder for  $59 \div 7$  is the same as the dice number, you can cover the board number with a counter or coin.
- ◆ The first to get four of their counters in a straight line wins!

### **Doubles and trebles**

- ◆ Roll two dice.
- ◆ Multiply the two numbers to get your score.
- ◆ Roll one of the dice again. If it is an even number, double your score. If it is an odd number, treble your score.
- ◆ Keep a running total of your score.
- ◆ The first to get over 301 wins.



### **Summer Holiday**

Don't miss your flight!!

Your flight leaves at 10:50, is that day or night?

You need to be at the airport 2 hours before your flight, what time is that?

What time will you need to leave your house?

The flight takes 3 hours – what time will you arrive... etc...

### **World Family**

If you have family all over the world, make sure you know all the time differences.

What are your relatives in various parts of the world doing when you are

- Having your lunch
- Arriving at school
- Going to bed
- Leaving school etc...

### **It's a bargain**

What would certain items in your shopping trolley be worth if their prices were cut by: 50%, 25%, 10%, 20% etc...

### **Pizza please!**

Your pizza costs 3.600 Rials. Cut it into six equal slices, how much does each slice cost?

How much would half a slice cost?

How much would two slices cost?

How much does half of the pizza cost?

What if you have cut it into quarters?

How much does one slice cost now?

Does half the pizza still cost the same?

