

## Year 4 Using Our Maths A Answers

### Following Units 1-7

#### Can you solve these problems?

What else would you need to know in order to be able to solve them? Talk about this together.

1. Susan bought three magazines. How much did she spend?

*We need to know how much each magazine costs.*

2. She had £5 altogether and wanted to save some of her money for next week. What is the greatest amount she can spend today?

*We need to know how much she wants to save for next week.*

3. In the end she decided to spend £4.50 because her dad said he would give her some more money next week. Will she have enough for next week?

*We need to know how much she needs next week AND how much her dad will give her.*

#### Finding the missing numbers

Read each question carefully and talk about how to solve the problem before you start.

4.  $58 \times 10 = 580$

5.  $3500 \div 100 = 35$

6.  $24 \times 100 = 2400$

7.  $80 \times 100 = 8000$

8.  $4250 \div 10 = 425$

**We can combine our 8 and 9 times tables with multiplying by 10 and 100**

Try to do these in your head

9.  $5 \times 80 = 400$

10.  $6 \times 90 = 540$

11.  $240 \div 80 = 3$

12.  $180 \div 9 = 20$

13.  $3 \times 900 = 2700$

14.  $360 \div 90 = 4$

15.  $800 \times 4 = 3200$

16.  $450 \div 9 = 50$

**Sometimes there is more than one way to solve a problem.** Talk about the different ways of doing these and choose your favourite method to solve them.

17. What is the difference between double 5 and double 7?

Double 5 = 10 and double 7 = 14. Then subtract 10 from 14 = 4

Or we can say that the difference will be double 2 = 4

18. What is double 8 plus double 6?

Double 8 = 16 and double 6 = 12. Add 16 and 12 to make 28.

Or add the doubles to make double 14, which is 28.

19. If I double two different numbers and add the answers together I get a total of 18. One of the numbers is 7. What is the other one?

We know that double 7 is part of the answer 18. Double 7 is 14. Take 14 away

from 18 and we have 4 left. This is double 2 so the other number is 2.  
Or, the answer 18 is double 9 and we already have double 7, so the answer must be double 2 (double 9 minus double 7).

20. What is the total of double 3 and double 8 less double 5?

Double 3 is 6, double 8 is 16 and double 5 is 10.

$$6 + 16 - 10 = 12$$

Or, double 3 + double 8 = double 11, less double 5 = double 6. Double 6 = 12.