

### Year 5/6 Spellings:

Learn these words off by heart and use them in a sentence:

1. determined
2. develop
3. dictionary
4. disastrous
5. embarrass
6. environment
7. equip/equipped/equipment
8. especially
9. exaggerate
10. excellent

### Punctuation: Brackets, Dashes, Commas

Brackets, dashes and commas can be used to add a relative clause into a sentence to add extra information.

E.g. The girl (who played for a football team) kicked the ball into the goal.  
Mr Smith - the year 6 teacher - enjoyed his lunch in the sun.

Identify the relative clause in the sentence and re-write using either brackets, dashes or commas. **Tip:** Try to vary the punctuation marks you use!

- 1) The policewoman who was investigating a burglary studied the house.
- 2) The pepperoni pizza which we ordered over the phone arrived late.
- 3) Amira who is the youngest in our class is the fastest runner in the school.
- 4) The man who has round glasses walked his dog around the park.
- 5) Adam who is 10 years old was playing with his brother in the garden.
- 6) At the swimming class that takes place every Saturday Sarah learnt how to swim using the butterfly stroke.

### Addition:

- 1)  $83025 + 5675 =$
- 2)  $30928 + 9187 =$
- 3)  $4.76 + 12.9 =$
- 4)  $4.09 + 22.8 =$
- 5)  $4/5 + \frac{3}{4} =$
- 6)  $1/3 + 2/5 =$

#### Challenge:

Three four digit numbers  
add up to give the total of  
**12435.**

What could they be?  
Convince me.

### Subtraction:

- 1)  $45920 - 8045 =$
- 2)  $13000 - 4504 =$
- 3)  $3 - 0.72 =$
- 4)  $7.07 - 1.9 =$
- 5)  $2/3 - \frac{1}{2} =$
- 6)  $3/7 - \frac{1}{4} =$

#### Challenge:

Which questions are easy / hard?

$$213323 - 70 =$$

$$512893 - 73 =$$

$$8193.54 - 5.9 =$$

Explain why you think the hard  
questions are hard and the easy  
questions are easy?

### Multiplication:

- 1)  $7624 \times 9 =$
- 2)  $2073 \times 36 =$
- 3)  $28.95 \times 3 =$
- 4)  $8092 \times 0.4 =$
- 5)  $4/5 \times 2/7 =$
- 6)  $25\% \times 480 =$

#### Challenge:

Use a fact

$$12 \times 1.1 = 13.2$$

Use this fact to work out:

$$15.4 \div 1.1 =$$

$$27.5 \div 1.1 =$$

### Division:

- 1)  $1644 \div 6 =$
- 2)  $10.56 \div 3 =$
- 3)  $2396 \div 18 =$
- 4)  $1892 \div 24 =$
- 5)  $\frac{3}{4} \div 5 =$
- 6)  $2/3 \div 7 =$

#### Challenge: Odd One Out

Which is the odd one out?

**Explain** your answer.

$$512 \div 16$$

$$672 \div 21$$

$$792 \div 24$$

# Answers

## Punctuation: Brackets, Dashes, Commas

*The relative clause you should have identified is in bold and red. You could have used either brackets, dashes or commas.*

- 1) The policewoman (**who was investigating a burglary**) studied the house.
- 2) The pepperoni pizza (**which we ordered over the phone**) arrived late.
- 3) Amira (**who is the youngest in our class**) is the fastest runner in the school.
- 4) The man (**who has round glasses**) walked his dog around the park.
- 5) Adam (**who is 10 years old**) was playing with his brother in the garden.
- 6) At the swimming class (**that takes place every Saturday**) Sarah learnt how to swim using the butterfly stroke.

## Addition:

- 1)  $83025 + 5675 = 88,700$
- 2)  $30928 + 9187 = 42115$
- 3)  $4.76 + 12.9 = 17.66$
- 4)  $4.09 + 22.8 = 26.89$
- 5)  $4/5 + \frac{3}{4} = 31/20$  or  $1 \frac{11}{20}$
- 6)  $1/3 + 2/5 = 11/15$

### Challenge:

Three four digit numbers  
add up to give the total of  
**12435.**

What could they be?  
Convince me.

**Answers vary. You could  
present your answer as a  
vertical addition.**

## Subtraction:

- 1)  $45920 - 8045 = 37875$
- 2)  $13000 - 4504 = 8496$
- 3)  $3 - 0.72 = 2.28$
- 4)  $7.07 - 1.9 = 5.17$
- 5)  $2/3 - \frac{1}{2} = 1/6$
- 6)  $3/7 - \frac{1}{4} = 5/28$

### Challenge:

Which questions are easy / hard?

$$213323 - 70 =$$

$$512893 - 73 =$$

$$8193.54 - 5.9 =$$

Explain why you think the hard questions are hard  
and the easy questions are easy?

**Varied answers: The first one was easy  
because you can count back in 10s. The next  
is easy because you are using your knowledge  
of place value - subtracting 70 from 90 and  
then using number bonds to subtract 3 from  
3. The last one is hard as it involves  
exchanging.**

## Multiplication:

- 1)  $7624 \times 9 = 68616$
- 2)  $2073 \times 36 = 74628$
- 3)  $28.95 \times 3 = 86.85$
- 4)  $8092 \times 0.4 = 3236.8$
- 5)  $4/5 \times 2/7 = 8/35$
- 6)  $25\% \times 480 = 120$

### Challenge:

**Use a fact**

$$12 \times 1.1 = 13.2$$

Use this fact to work out:

$$15.4 \div 1.1 =$$

$$27.5 \div 1.1 =$$

Rearrange so it looks like the first  
looks like the second equation:

$$13.2 \div 1.1 = 12$$

So  $15.4 \div 1.1 = 14$  because the  
difference between 15.4 and 13.2 is  
2.2, which is 2 lots more 1.1s

## Division:

- 1)  $1644 \div 6 = 274$
- 2)  $10.56 \div 3 = 3.52$
- 3)  $2396 \div 18 = 133 \text{ r}2$
- 4)  $1892 \div 24 = 78 \text{ r}20$
- 5)  $\frac{3}{4} \div 5 = 3/20$
- 6)  $2/3 \div 7 = 2/21$

### Challenge: Odd One Out

Which is the odd one out?

**Explain** your answer.

$$512 \div 16$$

$$672 \div 21$$

$$792 \div 24$$

**Answers can vary, but the most  
common answer is likely to be the  
last one because the answer is 33  
and the other answers are 32**