

## Maths Challenges Years 3 and 4 – Resource 1

1. Which cat caught the fish?

- A 1    B 2    C 3  
D 4    E 5



2. Anna and her two friends share 12 cakes equally.

Each of them gets:

- A 2 cakes    B 3 cakes    C 4 cakes  
D 5 cakes    E 6 cakes



3. If yesterday was Monday, the day after tomorrow will be:

- A Tuesday    B Wednesday    C Thursday    D Friday  
E Saturday

4. I add together an even number and an odd number. The total I get is:

- A always odd    B always even    C sometimes odd  
D sometimes even    E it depends on the numbers

5. What is the sum of all the numbers from 1 to 6?

- A 18    B 19    C 20    D 21    E 22

6. Two identical bags of potatoes together weigh 8 kg.  
A bag of potatoes and a bag of apples together weigh  $4\frac{1}{2}$  kg.

How much does the bag of apples weigh?

- A  $\frac{1}{2}$  kg    B 1 kg    C 4 kg    D 2 kg  
E  $1\frac{1}{2}$  kg

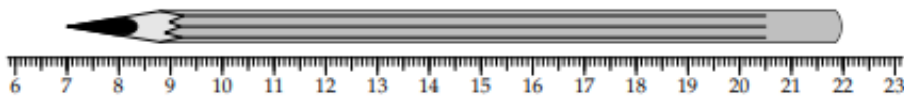


7. In the calculation on the right, what number could go into the empty box to make the calculation correct?

- A 9    B 2    C 8    D 10    E 14

$$3 \times 5 = 6 + \square$$

8. How long is the pencil in the picture below?



- A 23 cm      B 8 cm      C 15 cm      D 31 cm      E 7 cm

9. Ali bought a comic and a drink.  
He paid with a £5 note.  
He received £2.75 change.  
The comic cost £1.60.

How much did the drink cost?

- A 65 p      B £1.65      C £2.25      D £1.25      E 75 p



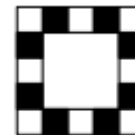
10. A train leaves Leeds at 10.45. It arrives in London 2 hours and 16 minutes later.  
At what time does it arrive?

- A 12.55      B 13.00      C 12.51      D 13.01      E 13.06

11. A path around a square lawn is made of alternating black and white flagstones.

How many black flagstones will be needed to make a path that is 6 flagstones wide and 6 flagstones long?

- A 4      B 10      C 2      D 3      E 8



12. Cakes can be bought in packets of 6. There are 27 children at a party.

How many packets of cakes must be bought in order to be certain that every child at the party may have a cake of their own?

- A 3      B 6      C 4      D 7      E 5



13. Oliver has six apples.  
Sally has one third the number of apples that Oliver has.  
Alice has twice as many apples as Oliver.

How many apples do they have altogether?

- A 19      B 12      C 18      D 21      E 20

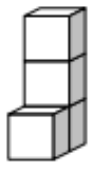
14. In the school dining room you can choose from 2 different types of sandwich and 5 different kinds of fruit. A meal is a sandwich and a piece of fruit.

How many different meals can you have?

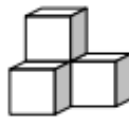
- A 2      B 5      C 3      D 7      E 10

15. A film starts at 3.25 pm. It finishes at 5.18 pm. How long did the film last?
- A 2 hours                      B 1 hour 43 minutes                      C 2 hours 7 minutes  
D 1 hour 53 minutes                      E 1 hour

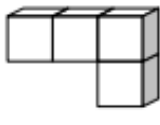
16. Isabel is thinking of two numbers.
- They add together to give 12. They multiply together to give 35.  
The difference between Isabel's two numbers is:
- A 23                      B 2                      C 7                      D 5                      E 0

17. Which two solids are the same?
- 


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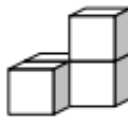
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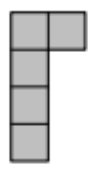
5
- A 4 and 5                      B 2 and 4                      C 2 and 5                      D 1 and 3                      E 2 and 3

18. 4 cherries weigh the same as 1 apricot. 2 apricots weigh the same as 1 apple.
- How many cherries weigh the same as 3 apples?
- A 24                      B 12                      C 10                      D 8                      E 28


19. In the toy cupboard are a football, a car, a radio, a doll, a teddy bear and a set of bricks.
- The teddy bear is shown in the toy cupboard.
- If the football is to the left of the bricks and the doll is directly below the bricks, which toy is to the left of the car?

A football                      B bricks                      C teddy bear                      D doll  
E radio


		teddy bear

20. The floor of my garden shed is marked out in squares as shown in the diagram on the right.
- Only one of the carpet tiles below can be used to cover completely the floor of my shed with no overlaps.
- Which tile is it?
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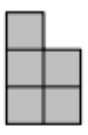
A




B



C



D



E
- 