

Maths Problem Solving

Do as much of the work as you can in your head.

Use the correct units
for your answer e.g.cm,
pence, minutes.

① A plane holds 300 passengers. How many could you fit in 2 planes? _____

If it was $\frac{1}{4}$ full how many passengers would be on the plane? _____

② John has nine sweets. Sophie has double what John has. Sophie gives John four of her sweets. How many sweets does Sophie have left? _____

③ 1km = 1000m. How many m are there in $\frac{1}{2}$ km? _____

④ The time on John's watch is 4.10 but the correct time is 3.55. Is his watch fast or slow and by how many minutes? _____

⑤ In two minutes a fuel tanker can put 80 litres into a large garage fuel tank. If the garage tank holds 440 litres, how long will it take to fill? _____

⑥ There are 24 people on the bus. Seven leave and four more get on. How many people are on the bus now? _____

⑦ Which of these numbers will divide by 3 with no remainder? _____

14 16 18 20 22

⑧ What number when multiplied by itself gives 36 as the answer? _____

⑨ Monday is the 30th September, what date will it be on Friday? _____

⑩ Paul got 28p change when he spent 22p. What coin did he use to pay? _____

⑪ A bag weighs 35kg. I take $6\frac{1}{2}$ kg out. What will the new mass of the bag be? _____

⑫ One bottle of cola costs 44p. Find the cost of three bottles. _____

Answers

1. 600 passengers, 75 passengers

2. 14

3. 500m

4. 15 minutes fast

5. 11 minutes

6. 21 people

7. 18

8. 6

9. 4th October

10. 50p coin

11. $28\frac{1}{2}$ kg

12. £1.32