29.1.21

LI: To solve 1-step and 2-step word problems

Choose the sets of questions from either A, B or C to answer.
There are 2 different sheets of questions – see how far you can get.
You must show each step of how you worked out your answer!

Sheet 1

Example

A shop sells 100 ice creams.
One quarter are chocolate.
How many ice creams of other flavours are sold?

$100 \div 4 = 25$
$100 - 25 = 75$
Answer 75 other flavour ice creams are sold.

A

1. Neil has seventeen fish in one tank and nine in a smaller tank. How many fish does he have altogether?
2. There are 28 children in a class. 15 are boys. How many are girls?
3. Each box holds eight rubbers. How many rubbers are there in five boxes?
4. There are 20 party candles in a pack. There are equal numbers of four different colours in the pack. How many candles are there of each colour?
5. There are 24 passengers on a bus. Nine get off. Seven get on. How many passengers are on the bus?
6. Sara buys three sweets for 10p each and a toy for 50p. How much has she spent?

B

1. A book has 120 pages. Samir has read 50 pages. How many more does he still have to read?
2. There are 32 books in four equal piles. How many books are there in each pile?
3. Poppy buys one pack of 16 sausages and three packs of 8 sausages. How many sausages has she bought altogether?
4. A baker makes 60 buns. 15 are sold in the morning and 34 in the afternoon. How many buns are left?
5. Shona has 80 cm of tape. She cuts off six 5 cm lengths. How much tape is left?
6. There are 30 children in a class. Half the class are in a dance lesson. They are asked to get into groups of three. How many groups are there?
7. For lunch Abbie can choose one from each of:
   5 choices of sandwich
   4 choices of drink
   3 choices of fruit.
   How many different lunches could she have?

C

1. There are 52 cards in a pack. Half are red. How many red cards are there?
2. How many days are there in nine weeks?
3. There are 55 paint brushes in the Art Room. 19 thin brushes are kept in one pot. The rest are shared equally between three pots. How many brushes are there in each of these three pots?
4. Pencils cost 8p each. Boris buys six and pays £1. How much change does he receive?
5. In the school canteen there are 28 more children having a dinner than eating a packed lunch. 39 children are having a packed lunch. How many children are in the canteen?
6. Four tickets for a film cost £36. How much do five tickets cost?
7. Vincent has 2 suits, 5 shirts and 12 ties. How many times could he dress differently before needing to wear the same combination of suit, shirt and tie?

Sheet 2

Example

A shop has 128 pairs of shoes on display and 485 in stock. How many shoes are there in the shop altogether?

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  4 8 5
+ 1 2 8
  6 1 3
    1 1
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  6 1 3
×     2
1 2 2 6
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Answer 1226 shoes are in the shop altogether.

A

1. Tickets for a boat trip cost £5 each. How much will seven tickets cost?
2. Ninety-two people work at a supermarket. 54 are men. How many women work at the store?
3. Craig has 24 sweets. He eats a quarter of them. How many does he have left?
4. There are six classes in the school. Each class has 30 children. How many children are there in the school?
5. Kim's book has 86 pages. She has read 27. How many pages does she have to read until she has read half the book?
6. Jimmy has 15p. Rashida has twice as much. How much do they have altogether?

B

1. There are nine bunches of flowers. Each bunch has eight flowers. How many flowers are there altogether?
2. A school has 225 children. 76 are out on a trip. How many children are in school?
3. Each page of Liam's exercise book has 23 lines. His story is three full pages and 17 lines long. How many lines has he written?
4. Sophie picks 174 apples. Chantal picks 38 more than Sophie. How many do they pick altogether?
5. There are 48 chocolates in a box. Half are eaten. Nine more are eaten. How many are left?
6. Pens cost 35p each. Corey buys 4 for 90p. How much has he saved?
7. Luigi makes four different pizza bases and serves 15 choices of topping. How many different pizzas does he make?

C

1. Becky saves 20p coins. She has saved £4·60. How many coins has she saved?
2. A shop has 541 pairs of shoes in stock. 179 pairs are sold. How many pairs are left?
3. One biscuit weighs 60 g. What do twelve biscuits weigh?
4. There are 27 more pupils in the Upper School than in the Lower School. There are 114 in the Upper School. How many pupils are there in the whole school?
5. Books cost £6·90. Stuart buys one and gets one half price. How much does he pay?
6. The total audience at a pantomime is 342. There are 68 more children than adults. How many adults are in the audience?
7. The menu in a restaurant lists:
   4 starters
   8 main courses
   6 desserts.
   How many different 3-course meals are served?