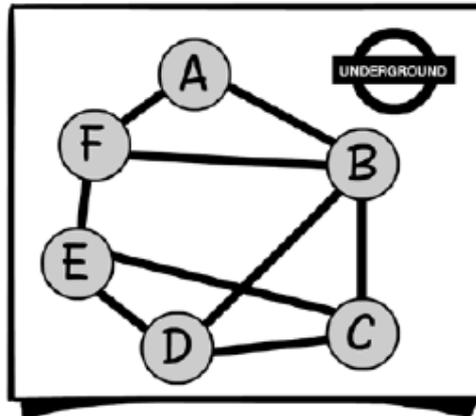


Maths Investigation Week 3



There are 6 stations on the tube train map. Here are the fares:

A to B	B to C	C to D	D to E	E to F	F to A	B to D	B to F	C to E	C to F
£4	£3	£4	£4	£3	£4	£5	£3	£2	£2

Which route from A back to A is cheapest?

Remember to work systematically to solve the problem, and make a note of the routes you have used, and calculate the cost of each route from the table above.

For Example:

You could travel to stops A- B- C- D- E- F, or A-B-D-C-E-F, but cannot travel from A to C.

Maths Word Problems Week 3- Multiplication

1. A toy robot takes **50** equal steps. It walks **2.5 metres**. How many **centimetres** is each step?
2. There are **23** biscuits in a packet. For a party, Max's mum buys **16** packets. How many biscuits has she bought in total?
3. There are **31** days in January and there are **24** hours in a day. How many hours are there in January?
4. There are **67** penguins at the zoo. Every day, each penguin eats **28** fish. How many fish are eaten each day?
5. In the cinema, there are **104** rows. On each row there are **24** seats. How many seats are there in the cinema altogether?
6. The car park in Sunnyville holds **787** cars. How many cars could **17** similar car parks hold?
7. The pantomime sold **563** tickets for each night. The pantomime was on for **14** nights. How many tickets were sold in total?
8. Sufyan wanted to use a written method to calculate **3584×33** . Show his working and answer.
9. Bisma's sister earns **£185** each month from working in the café at the weekends. She saved this money for **38** months. How much money did she save in total?
10. There are **30** children in Year 6. Each child is given **27** house points. How many house points were given in total?
11. Write true or false next to each statement. Explain your reasons for each answer.
 - 123×6 gives the same answer as 6×123
 - $4 \times 245 = 245 + 245 + 245$
 - $20 \times 20 \times 4 = 40 \times 4$
12. Estimate which calculation gives the smallest answer? Explain your thinking.
 $3,678 \times 23$
 $2,678 \times 230$
 $1,598 \times 46$

Maths Word Problems Week 3- Division

13. There are 168 children in the hall. Mr Rose asks the children to get into 12 equal teams. How many children are in each team?
14. 180 children went to the theatre. They travelled in minibuses, which carried 15 children each. How many minibuses were needed to transport the children?
15. Solve **two thousand, one hundred and fifty six** divided by **fourteen**.
16. Mr Williams saved **£1456** for his holiday in a year. He saved an equal amount of money every week for **52** weeks. How much money did he save each week?
17. William is trying to work out the answer to **$572 \div 26$** . What should his answer be?
18. In preparation for the school party, Sufyan was making bags of sweets. He shared **9146** sweets equally between **36** bags. How many sweets were in each bag? How many sweets were left over?
19. What is the quotient of **1053** and **39**, where **39** is the divisor?
20. There are **91** coloured pencils in a box. Asha shares them equally between **13** school friends. How many pencils does each friend receive?

Maths Daily Arithmetic Practise Week 3

Remember to time yourself, and see if you improve each day.

Monday

- $6.94 \times 10 =$
- $374 \times 7 =$
- $765 + 700 =$
- $4 + 9 + 1 =$
- $432 \div 7 =$

Tuesday

- $984 + 70 =$
- $64326 - 14,168 =$
- $654.43 \times 10 =$
- $\underline{\hspace{2cm}} = 743 \div 7$
- $993 + \underline{\hspace{2cm}} = 1,113$

Wednesday

- $2/3$ of $24 =$
- $85542 + 432,594 =$
- $91,543 \times 10 =$
- $67 \times 17 =$
- $678 - 90 =$

Thursday

- $3/8$ of $64 =$
- $33,422 - 24,721 =$
- $898 - 700 =$
- $\underline{\hspace{2cm}} = 765 - 80$
- $27 \times 73 =$

Friday

- $8874 \times \underline{\hspace{2cm}} = 8874$
- $1518 \div 6 =$
- $87.3 \div 10 =$
- $41 + 30 =$
- $83328 - 76397 =$

Maths Word Problems Week 3

Answers

1. 2.5metres = 250 centimetres $250 \div 50 = 5\text{cm each}$
2. 138
3. 744
4. 1876
5. 2496
6. 13379
7. 7882
8. 118272
9. 7030
10. 810
11. True the calculations are commutative. False 4 lots of 245 are not equal to 245 repeatedly added 3 times. False, for the calculations to be equal the correct calculation would need to be $20 \times 2 \times 4$.
12. Use rounding to estimate eg
4000 X 20
3000 X 230
1500 X 50

Therefore, the answer would be the last calculation.

13. 14
14. 12
15. 154
16. 28
17. 22
18. 254 r 2
19. 27
20. 7

Maths Daily Arithmetic Practise Week 3

Answers

Monday

- $6.94 \times 10 = 69.4$
- $374 \times 7 = 2618$
- $765 + 700 = 1465$
- $4 + 9 + 1 = 14$
- $432 \div 7 = 61.71$

Tuesday

- $984 + 70 = 1054$
- $64326 - 14,168 = 50,158$
- $654.43 \times 10 = 6544.3$
- $106.14 = 743 \div 7$
- $993 + 120 = 1,113$

Wednesday

- $2/3$ of 24 = 16
- $85542 + 432,594 = 518,136$
- $91,543 \times 10 = 915,430$
- $67 \times 17 = 1139$
- $678 - 90 = 588$

Thursday

- $3/8$ of 64 = 24
- $33,422 - 24,721 = 8701$
- $898 - 700 = 198$
- $685 = 765 - 80$
- $27 \times 73 = 1971$

Friday

- $8874 \times 1 = 8874$
- $1518 \div 6 = 253$
- $87.3 \div 10 = 8.73$
- $41 + 30 = 71$
- $83328 - 76397 = 6937$