

Applying Simple Maths...

...at the Railway



Can you count?

How many doors on your train today?

How many train conductors on the platform?

How many levers in the signal box?

How many trains you see around the railway today?

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It shows us what the steam era of rail was like on the Isle of Wight.
Mathematics is very important in the fields of engineering and transport. Let's apply some simple mental maths to the railway environment!

The problem	+ or -	Number sentence and answer
1. Burt has 15 sausages cooking. Basil the mouse steals 5 sausages. How many sausages has Burt got left?		
2. If 40 people are sat on a steam train and 12 people get on, how many are on the train now?		
3. The signalman has 20 levers. 14 of them are pushed forward. How many of them are pushed back?		
4. Burt has 39 pieces of coal on his shovel. 12 pieces of coal fall off. How many pieces of coal are left on his shovel?		
5. The trains at the Isle of Wight Steam Railway run for 9 months a year. How many months do the trains not run?		
6. We bought 27 Minghella ice-creams. I ate 9. How many ice creams are left?		

The problem	\times / \div	Number sentence and answer
1. There are 10 seats in a carriage. How many carriages are needed to carry 40 people?		
2. There is a train every 15 minutes. How many trains is this an hour?		
3. You have 20 sweets from the cafe. How many sweets will each child have if you share them equally between a. 5 children? b. 10 children? c. 2 children?		
4. There are 5 trains a day that call at Wootton station. 10 passengers get on each time. How many passengers get on the trains in total?		
5. Every hour, the signalman pushes 2 levers. How many levers are pushed in 7 hours?		
6. Nine families enter the gift shop and they all spend exactly £2.00. How much do all the families spend in total?		
7. The ticket office has 10 tickets that cost £30 in total. How much did they cost each?		

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Basil Mouse's Counting Picture Challenge!



How many snails are in this picture of Old George?

How many prongs does the garden fork have?

How many slats are there on the bench?

How many objects are in Old George's basket?

