

Numeracy 123 Problems-7



Name _____
Date started _____



| | | | | | |
|---|---|---|---|---|---|
| 1 Multiplication using place value | 2 Multiplication using place value | 3 Multiplication using place value | 4 Multiplication using place value | 5 Multiplication using place value | 6 Multiplication using place value |
| 7 Division using place value | 8 Division using place value | 9 Division using place value | 10 Division using place value | 11 Division using place value | 12 Division using place value |
| 13 Mixed add/sub mult/div | 14 Mixed add/sub mult/div | 15 Mixed add/sub mult/div | 16 Mixed add/sub mult/div | 17 Mixed add/sub mult/div | 18 Mixed add/sub mult/div |
| 19 Multiplication using rounding and compensating | 20 Multiplication using rounding and compensating | 21 Multiplication using rounding and compensating | 22 Multiplication using rounding and compensating | 23 Multiplication using rounding and compensating | 24 Multiplication using rounding and compensating |
| 25 Division using rounding and compensating | 26 Division using rounding and compensating | 27 Division using rounding and compensating | 28 Division using rounding and compensating | 29 Division using rounding and compensating | 30 Division using rounding and compensating |
| 31 Addition of decimals | 32 Addition of decimals | 33 Addition of decimals | 34 Addition of decimals | 35 Addition of decimals | 36 Addition of decimals |
| 37 Addition of decimals | 38 Subtraction of decimals | 39 Subtraction of decimals | 40 Subtraction of decimals | 41 Subtraction of decimals | 42 Subtraction of decimals |
| 43 Subtraction of decimals | 44 Subtraction of decimals | 45 Fractions | 46 Fractions | 47 Fractions | 48 Fractions |
| 49 Fractions | 50 Fractions | 51 Percentages | 52 Percentages | 53 Percentages | 54 Percentages |
| 55 Percentages | 56 Percentages | 57 Percentages | 58 Ratios and rates | 59 Ratios and rates | 60 Ratios and rates |



I am learning to: add using tidy numbers or doubles * add or subtract using place value or rounding and compensating * subtract using equal additions or 'Don't subtract - add' * multiply and divide using place value, rounding and compensating, doubling and halving or my knowledge of zero numbers * divide using reversing * solve fraction problems * solve percentage problems * add and subtract decimals using all the strategies I have learnt in addition and subtraction * solve problems with rates and ratios.

Numeracy 123

Problems 7-Addition of decimals

Show how you worked out each answer in the space underneath.

| | |
|----|---|
| 1 | My garage is 6.4 metres long. I want to extend it by 3.2 metres. How long will that make my garage? |
| 2 | I bought 3.5 metres of material to make a dress and then had to buy 1.3 metres more. What was the total material needed for the dress? |
| 3 | A farmer had 1.9 metres of rope and then found another 1.5 metres in his shed. What was the total amount of rope the farmer had? |
| 4 | A boy took 7.9 seconds to run up his garden and 5.3 seconds to run back. What was the total time for both runs? |
| 5 | It took me 5.41 seconds to tie one shoe lace and 4.96 seconds to tie the other. What was the total time it took me to tie my shoes? |
| 6 | On one side of my garden I have 6.3 metres of fence and on the other side I have 12.9 metres. What is the total amount of fence? |
| 7 | I had 9.9 litres of water in one bucket and 9.8 litres of water in another bucket. What was the total amount of water I had? |
| 8 | My garage is 5.6 metres long. I want to extend it by 1.25 metres. How long will that make my garage? |
| 9 | I bought 8.27 metres of material to make a dress and then had to buy 6.3 metres more. What was the total material needed for the dress? |
| 10 | A farmer had 5.99 metres of rope and then found another 2.45 metres in his shed. What was the total amount of rope the farmer had? |













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Numeracy 123

Problems 7-5

Show how you worked out each answer in the space underneath.

| | | |
|----------|---|--|
| 1 45 |  | Pizzas were cut into ninths. Our class ate seventeen pieces. How many whole pizzas is this, including the remaining fraction? |
| 2 1 |  | There are 35 sunflower seeds in a packet. Jonathan bought 7 packets. How many seeds in total did Jonathan have? |
| 3 17 |  | I had \$261 and spent \$99 on a table, but it had a scratch on it, so the shop keeper gave me \$14 back. How much money did I have left? |
| 4 51 |  | Jason carried a 20 litre bucket of water from the well. On his way to his house he spilt 50% of the water. How much water did he spill? |
| 5 7 |  | A shop keeper had seventy eight tomatoes and packed them into bags of six. How many bags could he make? |
| 6 23 |  | 199 staff were each given an extra 5 days holiday. What was the total number of extra days holiday the staff were given? |
| 7 41 |  | A flagpole was 1.4 metres high. The top was rotten so we cut 0.7 metres off. How high was the new flagpole? |
| 8 6 |  | Eight ships each had five hundred and five sailors onboard. What was the total number of sailors? |
| 9 25 |  | At school we had a sponsored car wash and raised \$95 for 5 charities. This was split evenly. How much did each charity receive? |
| 10 13 |  | 4 buses took 79 children from Year 1 and 25 from Year 2 on a trip. With equal numbers of children on each bus, how many was this? |



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Numeracy 123

Problems 7-29

Show how you worked out each answer in the space underneath.

| | | |
|----------|--|--|
| 1 52 | | In a storm, a ship had 90 bags of coal onboard. The crew threw 30% overboard to stop the ship sinking. How many bags were left? |
| 2 34 | | A boy took 9.9 seconds to run up his garden and 6.4 seconds to run back. What was the total time for both runs? |
| 3 58 | | A car travels 295 kilometres in 5 hours. Travelling at the same speed, how many hours will it take the car to travel 1 121 kilometres? |
| 4 40 | | A jug held 1.68 litres of milk. We used 0.5 litres to make some scones. How much milk was left in the jug? |
| 5 22 | | The farmer planted four rows of cabbages with sixty nine cabbages in each row. What was the total number of cabbages planted? |
| 6 44 | | Tomi can climb a tree in 14.5 seconds. How much quicker is his brother Michael who can climb it in 9.9 seconds? |
| 7 54 | | I bought a car from Japan, it cost me \$5 000. I then had to pay 20% import duty. What was the total cost of the car? |
| 8 59 | | Jessie got paid \$98.93 for 13 hours work. At the same hourly rate, how much would she get paid for 4 hours work? |
| 9 36 | | On one side of my garden I have 7.63 metres of fence and on the other side I have 9.99 metres. What is the total amount of fence? |
| 10 47 | | Sam had $\frac{7}{2}$ of cake in his freezer and Joe had $\frac{17}{5}$ of cake in his freezer. Who had the most and by how much? |