

Mentals

Complete as many questions as you can.

1. What is 236 multiplied by 10?	2. What is the sum of 50 and 78?	3. $90 \div 10 \times 80 + 2 =$	4. What is half of 3.6?
5. Three pencils have a total mass of 21 grams. What is the mass of one pencil?	6. Abdul is 15cm taller than his brother Raj. Raj is 125cm tall. How tall is Abdul?	7. Write the number thirty-one thousand and thirteen as a numeral	8. A rectangle is 9cm long and 7cm wide. What is its perimeter?
9. What is 7350mL to the nearest litre?	10. What is 10% of \$250?	11. A train leaves Pendle Hill at 10:55 and arrives in Parramatta at 11:13. How many minutes does the journey take?	12. What is double 32?
Challenge			
13. When studying for his yearly exams, Tom spent $\frac{1}{5}$ of time on English, $\frac{1}{4}$ of his time on history, $\frac{3}{10}$ of his time on science and the rest on mathematics. What <i>percentage</i> of his time did Tom spend studying mathematics?		14. Henry paid \$21,000 for a car and later sold it to Siobhan for 75% of what he paid. Afterwards, Siobhan sold it to her friend Kathleen for 60% of what she paid Henry. How much did Kathleen pay for the car?	

Revision

1. Use BODMAS to solve the following:

a) $7 \times (\frac{1}{5} \text{ of } 15) \div 21 =$

b) $6 + 6 \div 6 + 6 \times 6 - 6 =$

c) $13 \times (10 - 5) \div 0.5 =$

d) $10 \times 2.5 + 21 + 21 - 3 =$

e) $\frac{1}{2}$ of $(10 \times 10) + 21 - 30 =$

f) $(10 \times 0.5) + (39 - 13) =$

2. Choose **split**, **compensation** or **jump strategy** to solve the following:

Show all working out.

a) $178 + 33 =$

b) $362 - 8.3 =$

c) $345 + 236 =$

3. Solve the following:

a)

$$\begin{array}{r} 246399+ \\ 39511 \\ 7260 \\ \hline 193 \end{array}$$

b)

$$\begin{array}{r} 87638+ \\ 21 \\ 93105 \\ \hline 3412 \end{array}$$

c)

$$\begin{array}{r} 54321- \\ \hline 12345 \end{array}$$

Whole Number

1. Express the following in numerals:

a) Seven hundred and thirteen	
b) Four thousand three hundred and sixty-two	
c) One hundred thousand four hundred and ninety-nine	
d) Two million and sixty-four	

2. Write the following in words:

a) 10 546	
b) 340 666	
c) 1 000 111	
d) 4 900 009	

3. Arrange the following numbers into ascending order:

46 827, 468 457, 115 468, 250 015, 98 652, 12 698

_____ , _____ , _____ , _____ , _____ , _____

4. Arrange the following numbers into descending order:

36 817, 408 453, 115 468, 252 013, 89 632, 12 898

_____ , _____ , _____ , _____ , _____ , _____

5. Use the following digits to make:



a The highest number

b The lowest odd number

c The lowest number

d The amount of money you would like to win

e The highest even number