PERCENTAGES

12

1. Complete the following table. The first line has been completed as an example.
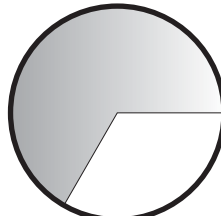
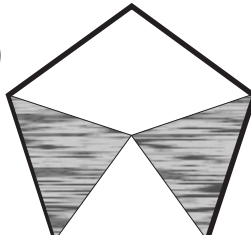| Fraction	Decimal	Percentage
$\frac{1}{10}$	0.1	10%
	0.3	
		70%
	0.9	
$\frac{1}{4}$		
	0.75	
		50%
	$0.\dot{3}$	
$\frac{2}{3}$		
	1	
		150%
	2	
$2\frac{1}{4}$		

2. Approximately 70% of the earth's surface is oceans. What percentage is land?
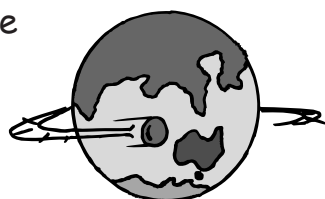
3. Choose which of the percentages is the best estimate of the shaded area of each shape below.
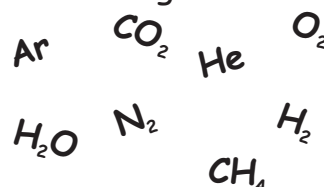
(a)
A 10% B 25%
C 75% D 90%

(b)
A 30% B 50%
C 70% D 90%

(c)
A 20% B 40%
C 60% D 80%

4. 87% of the students at a school were right-handed. What percentage of the students were left-handed?

5. 78% of the Earth's atmosphere is nitrogen and 21% of the atmosphere is oxygen. What percentage of the atmosphere is other gases?

Ar CO_2 He O_2

H_2O N_2 H_2

CH_4

6. (a) Use the map of Australia to match the states listed below with the approximate percentage of the area of Australia each represents.
A 1%   **B** 3%   **C** 12%   **D** 36%

(i) New South Wales ☐

(ii) Victoria ☐

(iii) Western Australia ☐

(iv) Tasmania ☐

(b) Use the figures from part (a) to answer the following questions.

(i) How many Tasmanias would 'fit into' Victoria? ☐

(ii) How many Victorias would 'fit into' NSW? ☐

(iii) How many NSWs would 'fit into' WA? ☐

7. Find the answers to the following problems and place the answers in the boxes next to the problems.

25% of 40 ☐ **L**   50% of 8 ☐ **R**

10% of 150 ☐ **N**   75% of 40 ☐ **I**

25% of 12 ☐ **H**   100% of 40 ☐ **C**

25% of 20 ☐ **E**   50% of 40 ☐ **D**

40% of 20 ☐ **B**   20% of 30 ☐ **E**

1% of 100 ☐ **T**   75% of 16 ☐ **I**

75% of 32 ☐ **M**   25% of 200 ☐ **E**

Arrange the answers in order from the smallest to the largest and place in the top lines of the boxes below. Place the letters under the numbers to spell the answer to the following riddle. (The first is included)
What has six eyes but can't see?

1					
T					

8. A sports store is offering a 25% discount off all items. What price will you pay for an $80 basketball? ☐