

## DECIMALS YEARS 7 AND 8

1 In which one of these has the zero changed the value of the number?

- A 0.35      B 2.560      C 9.20      D 1.507

2 The next number of the following pattern 0.014, 0.016, 0.018.....is:

- A 0.002      B 0.020      C 0.019      D 0.20

3 The decimal number in which 5 has the values of hundredths is:

- A 501.36      B 0.59      C 0.157      D 0.005

4 The simplest fraction which is equivalent to 0.004 is:

A  $\frac{4}{100}$       B  $\frac{4}{1000}$

C  $\frac{1}{25}$       D  $\frac{1}{250}$

5 The decimal equivalent of  $\frac{3}{50}$  is:

- A 0.03      B 0.06      C 0.003      D 0.006

6 The lowest number out of 0.103, 0.0999, 0.1 and 0.12 is:

- A 0.103      B 0.0999      C 0.1      D 0.12

7 When rounded off to 2 decimal places, 0.949 becomes:

- A 0.9      B 0.94      C 0.95      D 1.0

8  $72.65 \div 1000$  is equal to:

- A 72 650      B 7 265      C 0.726 5      D 0.072 65

9  $4.8 \div 0.1$  is equal to:

- A 480      B 48      C 4.7      D 0.48

10  $60 \times 1.2$  is equal to:

- A 7.2      B 61.2      C 72      D 720

11  $0.7 \times 0.6$  is equal to:

- A 0.042      B 0.42      C 4.2      D 42

12 When you see  $0.\dot{6}\dot{3}$ , this means:

- A 0.663 3      B 0.636 363 -----  
C 0.633 333 -----      D 0.666 66 -----3

13 These were the recorded times of four girls in a 100m sprint race:

Ali	11.49 seconds
Lucy	12.03 seconds
Emily	11.5 seconds
Lauren	13.15 seconds

The girl who won the race was:

- A Ali      B Lucy      C Emily      D Lauren

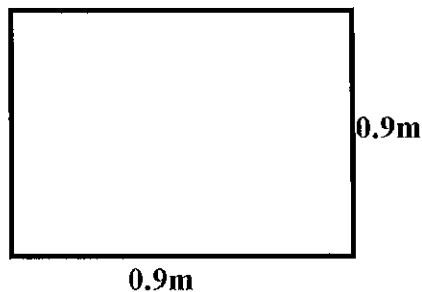
14 Mark's final jump in a long jump at the school sports was 15cm shorter than the record of 5.98 metres. Mark's jump was:

- A 4.48m      B 5.83m      C 5.965m      D 5.978 5m

15 The winning House team in the 400m relay, with 4 team members, reached the finishing line in 45.84 seconds. The average time each team member ran was:

- A 11.5 seconds      B 11.21 seconds  
C 11.46 seconds      D 100 seconds

16



The area of this square is:

- A  $0.81\text{m}^2$   
B  $1.8\text{m}^2$   
C  $3.6\text{m}^2$   
D  $8.1\text{m}^2$

17 Which is the biggest number out of this list?

$\frac{3}{4}$ , 0.8,  $\frac{5}{8}$ , 0.79

- A  $\frac{3}{4}$       B 0.8      C  $\frac{5}{8}$       D 0.79

18 As a decimal, 60% is equivalent to:

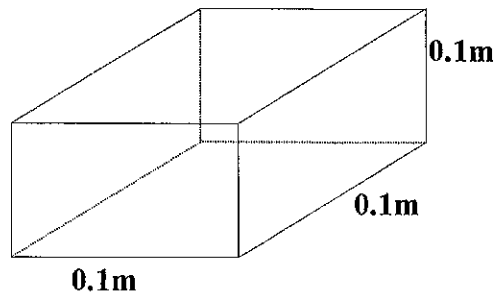
- A 6      B 0.6      C 0.06      D 0.006

- 19 As a percentage, 0.35 is equivalent to:  
 A 0.0035% B 0.35% C 3.5% D 35%
- 20 1.953 rounded off to 1 decimal place is:  
 A 1.9 B 2.0 C 2 D 1.95
- 21 When they bought some take-away, Mark and Emily paid \$2.50 for a large fries to share between them, \$2.35 each for a hamburger and \$1.35 each for a hot apple pie. Their total bill was:  
 A \$6.10 B \$6.20 C \$9.70 D \$9.90
- 22  $0.0053 \div 0.001$  is equal to:  
 A 0.0043 B 5.3 C 53 D 530
- 23 Which one of these is equivalent to 9.037?  
 A  $9\frac{37}{100}$  B  $\frac{9037}{100}$   
 C  $\frac{9037}{1000}$  D  $9 + \frac{3}{10} + \frac{7}{100}$
- 24 What is the missing decimal in the box?  
 $0.09 + 0.75 + \boxed{\phantom{00}} + 0.04 = 1?$   
 A 0.10 B 0.12 C 0.17 D 0.2
- 25 Jack's teacher asked him to do this subtraction:  $9.05 - 1.772$   
 The correct answer was:  
 A 7.288 B 7.278 C 8.288 D 0.33
- 26 Andrew's grandmother found her favourite Swiss chocolates on special for 45 cents each. How many could she buy for \$3.60, which was all the spare change in her purse?  
 A 6 B 8 C 10 D 16

27 As a decimal,  $\frac{5}{90}$  is equal to:

- A 0.054    B 0.056    C 0.052    D 0.051

28



The volume of this cube is:

- A 0.3m    B 0.1 m<sup>3</sup>    C 0.01m<sup>3</sup>    D 0.001m<sup>3</sup>

29 What is the missing number in the table?

5	7	2	6
7.5		3	9

- A 8.5    B 9.5    C 10    D 10.5

30 The answer to  $0.5 + 0.6 \div (0.2 + 0.1)$  is equal to:

- A 3.6    B  $3.\dot{6}$     C 5.6    D 2.5