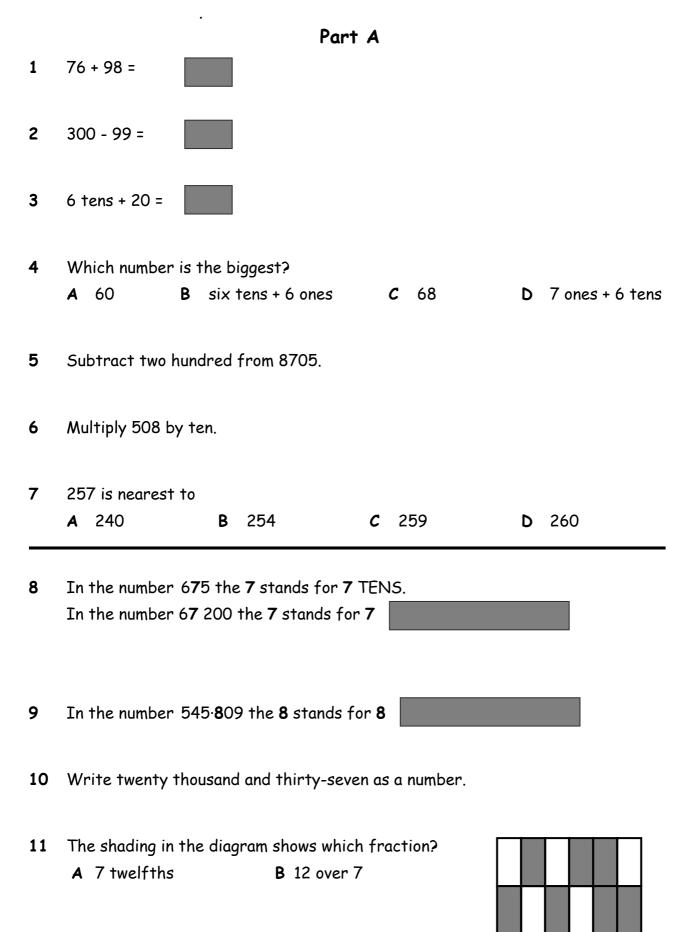# Place Value, Fractions, Decimals and Percentages
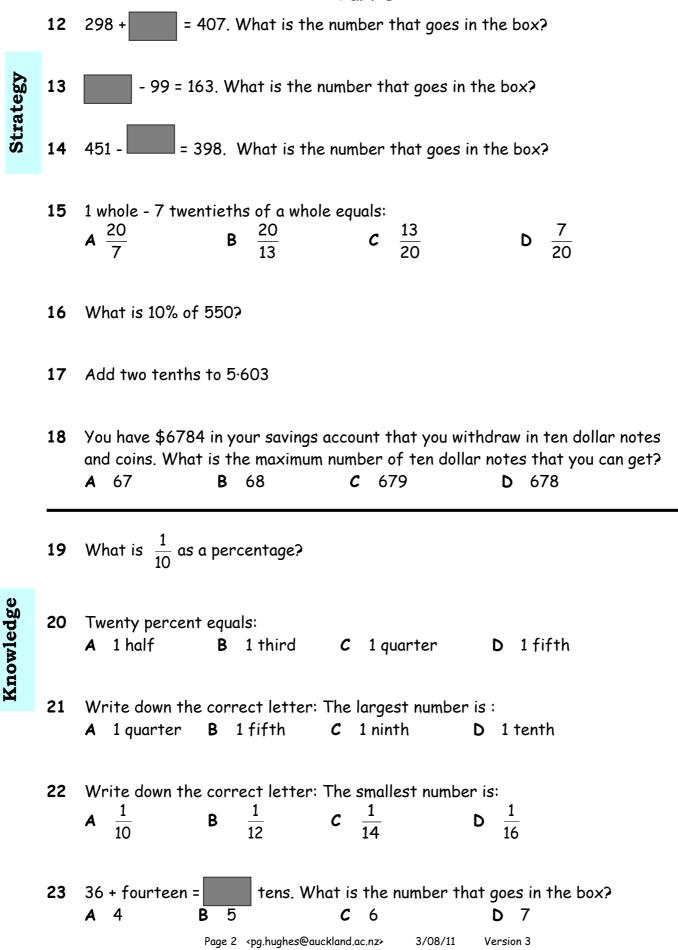
Write only on the answer sheet provided. Do not write on these sheets. In multiple choice questions write down the correct letter only.

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Part A

1   76 + 98 =

2   300 - 99 =

3   6 tens + 20 =

4   Which number is the biggest?

    A   60   **B**   six tens + 6 ones   **C**   68   **D**   7 ones + 6 tens

5   Subtract two hundred from 8705.

6   Multiply 508 by ten.

7   257 is nearest to

    A   240   **B**   254   **C**   259   **D**   260

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8   In the number 675 the **7** stands for **7** TENS.

    In the number 67 200 the **7** stands for **7**

9   In the number 545·809 the **8** stands for **8**

10   Write twenty thousand and thirty-seven as a number.

11   The shading in the diagram shows which fraction?

    A 7 twelfths   **B** 12 over 7

C $\dfrac{5}{7}$ **D** 7 fifths

Part B

12 298 + ☐ = 407. What is the number that goes in the box?

13 ☐ - 99 = 163. What is the number that goes in the box?

14 451 - ☐ = 398. What is the number that goes in the box?

15 1 whole - 7 twentieths of a whole equals:

A $\dfrac{20}{7}$ **B** $\dfrac{20}{13}$ **C** $\dfrac{13}{20}$ **D** $\dfrac{7}{20}$

16 What is 10% of 550?

17 Add two tenths to 5·603

18 You have $6784 in your savings account that you withdraw in ten dollar notes and coins. What is the maximum number of ten dollar notes that you can get?

A 67 **B** 68 **C** 679 **D** 678

19 What is $\dfrac{1}{10}$ as a percentage?

20 Twenty percent equals:

A 1 half **B** 1 third **C** 1 quarter **D** 1 fifth

21 Write down the correct letter: The largest number is :

A 1 quarter **B** 1 fifth **C** 1 ninth **D** 1 tenth

22 Write down the correct letter: The smallest number is:

A $\dfrac{1}{10}$ **B** $\dfrac{1}{12}$ **C** $\dfrac{1}{14}$ **D** $\dfrac{1}{16}$

23 36 + fourteen = ☐ tens. What is the number that goes in the box?

A 4 **B** 5 **C** 6 **D** 7

Part C

24 69·9 x 60·08 is closest to:

    A 3800   **B** 4000   **C** 4200   **D** 4400

25 What does 97 x 4 equal?

26 Which has the largest answer?

    A 218 x 217   **B** 216 x 218   **C** 217 x 219   **D** 220 x 201

27 Write down the *two* correct letters:

Which two numbers multiplied together give an answer closest to the target number 1490?

    A 13   **B** 29   **C** 49   **D** 39

28 Work out 5 sixths of 48.

29 Which of these is *not* a factor of 750?

    A 2   **B** 3   **C** 4   **D** 5

30 On a number line $\dfrac{47}{7}$ lies between which two numbers?

    A 5 and 6   **B** 6 and 7   **C** 7 and 8   **D** 8 and 9

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31 Round 23·674499 correct to 3 decimal places.

32 Multiply 2·0709 by one hundred.

33 Write down any number that is between 707·08 and 708·1 on the number line.

34 The cost of a bag of potatoes that weighs 25·5 kilograms is $26·95. Which calculation is needed to find the cost of one kilogram of potatoes?

    A 25·5 ÷ 26·95   **B** 26·95 ÷ 25·5   **C** 25·5 + 26·95   **D** 26·95 – 25·5

Part D

35   79·8 ÷ 0·092 is closest to:
   A 80   **B** 800   **C** 8000   **D** 80 000

36   Work out 7 fortieths of three thousand two hundred.

37   What does 9997 x 4 equal?

38   The percentage profit of $400 909 on sales of $1 998 976 is nearest to:
   A 10%   **B** 15%   **C** 20%   **D** 25%

39   304% of $5002 is nearest to:
   A $17 000   **B** $15 000   **C** $ 13 000   **D** $ 11 000

40   Melissa gets a 25% discount on a TV. When she gets home she sees that she
   paid $180 for it with her cash card. What was the price of the TV before the
   discount was taken off?
   A $200   **B** $225   **C** $240   **D** $260

41   The share ratio for the two owners of a company, Hone and Miranda, is
   2400 : 3600. The company's profit is $199 089. Hone's share of the profit is
   nearest to:
   A $80 000   **B** $100 000   **C** $120 000   **D** $140 000

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42   Write down any number that is between 23·5701 and 23·58 on the number line.

43   Thirteen ten-thousandths equals:
   A 0·0013   **B** 0·013   **C** 0·13   **D** 13 000

44   Which of these numbers is the largest?

   A $\dfrac{99}{199}$ **B** $\dfrac{2311}{3999}$ **C** 50·008%   **D** 0·490998