Chapter 3: Number

Number Items B

Approach: Independent   *Level:* Year 4 and year 8
Focus: Understanding number and calculating.
Resources: None.

$\frac{3}{4}$ is a fraction between $\frac{1}{2}$ and 1.
Write two other fractions that would be
between $\frac{1}{2}$ and 1.

Questions/instructions:		% responses	
		y4	y8
Subtract one hundred			
1. 400	300	73	95
2. 643	543	58	92
3. 40 000	39,900	•	47
Divide by one hundred			
4. 1200	12	•	65
5. 50	0.5	•	34
6. 3.6	0.036	•	20

7. When a 3 digit number is added to a 3 digit
number the answer is
  A always a 3 digit number.
  B always a 4 digit number.
  Ⓒ either a 3 or 4 digit number.   C • 50
  D either a 3, 4 or 5 digit number.

8. Which number best describes the amount
of the box shaded?
  A 0.05
  B 0.25   C • 42
  Ⓒ 0.45
  D 0.6
  E 0.65

9. A school has 410 children.
97 children are away at camp.
About how many are still at school?
  A 200
  Ⓑ 300
  C 400   B 66 90
  D 500

A B C D   E F   G H

0   1   2   3   4
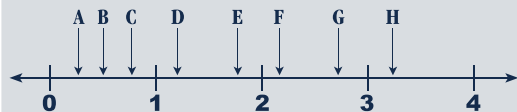
10. On the number line, which letter
best represents A × G?   C • 4
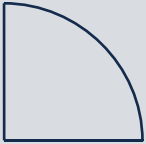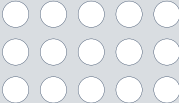
11. On the number line, which letter best
represents B + F?   G • 18

12. Which fraction matches the letter **X**
on the number line?
  A $\frac{1}{2}$
  B $\frac{1}{3}$
  C $\frac{1}{7}$
  Ⓓ $\frac{1}{5}$ D 20 49

		y4	y8
13.	correct	•	48
14.	other correct	•	45

15. Without working out the exact answer,
choose the best estimate for 87 × 0.09.
  Ⓐ a lot less than 87   A • 27
  B a little less than 87
  C a little more than 87   ✗ C • 42
  D a lot more than 87

16. Which part of the circle is missing?
  A $\frac{1}{4}$
  B $\frac{1}{3}$
  Ⓒ $\frac{3}{4}$ C 39 81
  D $\frac{2}{3}$

17. A class has 25 pupils. $\frac{1}{5}$ come by bus,
$\frac{2}{5}$ come by bike.
How many do not come by bus or bike?
  A 5
  Ⓑ 10   B • 62
  C 15
  D 20

18. Write a multiplication sentence
to find the number of circles.
  $3 \times 5 = 15$ *or* $5 \times 3 = 15$ 35 48

19. Bob has 123 stamps to put in his album.
If 25 stamps fit on each page, how many
pages will he need?
  A 4
  Ⓑ 5   B 28 65
  C 6
  D 7

To cook a meal for 10 people I need:
  2 chickens
  10 kumara
  30 yams
  1000g peas

I want to cook a meal for 5 people. Fill in the amounts of food I need.

			y4	y8
20.	1	chickens	50	83
21.	5	kumara	51	84
22.	15	yams	33	78
23.	500(g)	peas	28	75

• *not asked for year 4*