

Name _____ Date _____

Handling Numbers – Level 1 revision

1. Put these numbers in order of size starting with the lowest and going up to the highest

a. 17 53 35 86 24 71

b. 3057 215 3507 7305 512 125

c. 15043 10543 30345 3345 33045 53004

2. In each of the following, put a circle round the number that has the value written in words

- | | | | |
|-------------------|-------------|---------------------------|---------------|
| a. seventy | 5 7 7 | d. seven hundred thousand | 7 7 6 0 9 8 0 |
| b. one hundred | 5 1 2 5 | e. twenty thousand | 2 2 1 5 4 |
| c. fifty thousand | 2 5 6 5 3 9 | f. five thousand | 5 1 2 1 |

3. Fill in the missing numbers in the sequences below

5		35	50		80			125		155
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3	8	13		23	28			43	
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124	134	144							
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2300	2100			1500				700		
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4. Complete the following calculations

a. $2 \times \frac{1}{2} =$

f. $100 \times \frac{1}{2} =$

k. $\frac{1}{4} \times 60 =$

b. $3 \times \frac{1}{3} =$

g. $\frac{1}{4} \times 4 =$

l. $\frac{1}{3} \times 3 =$

c. $4 \times \frac{1}{4} =$

h. $\frac{1}{4} \times 8 =$

m. $\frac{1}{3} \times 18 =$

d. $6 \times \frac{1}{2} =$

i. $\frac{1}{4} \times 20 =$

n. $\frac{1}{3} \times 45 =$

e. $20 \times \frac{1}{2} =$

j. $\frac{1}{4} \times 100 =$

5. Match the percentages below to the fractions in the box

25% 50% 75% $33\frac{1}{3}\%$ 20% 60% 70% $66\frac{2}{3}\%$ 10%

$\frac{1}{3}$	$\frac{1}{10}$	$\frac{1}{5}$	$\frac{3}{5}$	$\frac{7}{10}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{2}{3}$	$\frac{3}{4}$
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6. Find the following quantities

a. How many eggs in $\frac{1}{3}$ of a dozen?

b. How many grams in $\frac{1}{2}$ a kilo?

c. What is $\frac{1}{3}$ of 90?

d. How many minutes in $\frac{1}{4}$ of an hour?

e. What is $\frac{1}{8}$ of 24 miles?

f. What is $\frac{1}{5}$ of 100?

g. What is $\frac{2}{3}$ of 90?

h. How many minutes in $\frac{3}{4}$ of an hour?

i. What is $\frac{5}{8}$ of 24 miles?

j. What is $\frac{3}{5}$ of 100?

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7. Factors and multiples

- a. Write down three factors of 12
- b. Write down 3 factors of 100
- c. Write down all the factors of 36
- d. Write down two multiples of 10
- e. Write down two multiples of 5
- f. All multiples of 5 end in one of two digits. What are they?

8. Even and odd numbers, square numbers, prime numbers.

- a. All even numbers end with one of 5 digits. Write down those digits
- b. What is the square of 4?
- c. What is the square of 36?
- d. Which number squared is 100?
- e. There are 4 prime numbers in between 10 and 20. What are they?

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Level 1 Adult Numeracy curriculum links

N1/L1.1 Read, write, order and compare numbers, in words and in figures, including large numbers.

- (a) understand that the position of a digit signifies its value.
- (b) know what each digit represents in a number up to 7 digits, including the use of zero as a place holder.
- (c) understand the symbols for greater than, less than

N1/L1.6 Recognise numerical relationships (e.g. identify multiples and squares)

- (a) recognise multiples of 2 to 9, up to 100
- (b) recognise multiples of 10, 50, 100, 1000
- (c) know square numbers up to 10×10
- (d) recognise factors of numbers up to 100

N2/L1.2 Find parts of whole number quantities or measurements (e.g. $\frac{2}{3}$ or $\frac{3}{4}$)

- (a) understand the relationship between unit fractions and division when finding parts
- (b) understand that there are different strategies for finding fractional parts

N2/L1.3 Recognise equivalencies between common fractions, decimals and percentages and use these to find part of whole number quantities (e.g. $50\% = \frac{1}{2}$, $0.25 = \frac{1}{4}$) and use these to find part or whole number quantities

- (a) know common fraction equivalents, e.g. half, quarters, fifths, tenths

N2/L1.12 Express one number as a fraction of another

- (a) Understand that part of a group compared to the whole group can be written as a fraction (e.g. 4 out of 12 can be written $\frac{4}{12}$)

Note: prime numbers (Q8) are covered at Level 2.

N1/L2.2 Carry out calculations with numbers of any size using efficient written and mental methods.

- (a) understand the words multiple and factor and relate them to multiplication and division facts
- (b) understand the word prime and know prime numbers to 20
- (c) know and use strategies to check answers, e.g. approximate calculations, estimations

N2/L2.3 Evaluate one number as a fraction of another

- (a) understand equivalent fractions
- (b) understand simplest form
- (c) know how to reduce a fraction to its simplest form, e.g. by recognising equivalent fractions, by using factors to cancel
- (d) recognise prime numbers (i.e. numbers that can't be cancelled)
- (e) understand that quantities must be in the same units to evaluate one as a fraction of another

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Answers

1. a) 17 24 35 53 71 86
 b) 125 215 512 3057 3507 7305
 c) 3345 10543 15043 30345 33045 53004

2. In each of the following, put a circle round the number that has the value written in words

- a. seventy 5 7 7
 b. one hundred 5 1 2 5
 c. fifty thousand 2 5 6 5 3 9
 d. seven hundred thousand 7 7 6 0 9 8 0
 e. twenty thousand 2 2 1 5 4
 f. five thousand 5 1 2 1

3. Fill in the missing numbers in the sequences below

Add on 15

5	20	35	50	75	80	95	110	125	140	155
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Add on 5

3	8	13	18	23	28	33	38	43	48
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Add on 10

124	134	144	154	164	174	184	194	204	214	224
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Subtract 200

2300	2100	1900	1700	1500	1300	1100	900	700	500	300
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4. Complete the following calculations

- a. $2 \times \frac{1}{2} = 1$ f. $100 \times \frac{1}{2} = 50$ k. $\frac{1}{4} \times 60 = 15$
 b. $3 \times \frac{1}{3} = 1$ g. $\frac{1}{4} \times 4 = 1$ l. $\frac{1}{3} \times 3 = 1$
 c. $4 \times \frac{1}{4} = 1$ h. $\frac{1}{4} \times 8 = 2$ m. $\frac{1}{3} \times 18 = 6$
 d. $6 \times \frac{1}{2} = 3$ i. $\frac{1}{4} \times 20 = 5$ n. $\frac{1}{3} \times 45 = 15$
 e. $20 \times \frac{1}{2} = 10$ j. $\frac{1}{4} \times 100 = 25$

5. Match the percentages below to the fractions in the box

$\frac{1}{3}$	33 $\frac{1}{3}$ %	$\frac{1}{10}$	10%	$\frac{1}{5}$	20%	$\frac{3}{5}$	60%	$\frac{7}{10}$	70%	$\frac{1}{4}$	25%	$\frac{1}{2}$	50%	$\frac{2}{3}$	66 $\frac{2}{3}$ %	$\frac{3}{4}$	75%
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6. Find the following quantities

- a. How many eggs in $\frac{1}{3}$ dozen? **2**
- b. How many grams in $\frac{1}{2}$ kilo? **500**
- c. What is $\frac{1}{3}$ of 90? **30**
- d. How many minutes in $\frac{1}{4}$ hr? **15**
- e. What is $\frac{1}{8}$ of 24 miles? **3 miles**
- f. What is $\frac{1}{5}$ of 100? **20**
- g. What is $\frac{2}{3}$ of 90? **60**
- h. How many minutes in $\frac{3}{4}$ hr? **45**
- i. What is $\frac{5}{8}$ of 24 miles? **15 miles**
- j. What is $\frac{3}{5}$ of 100? **60**

7. Factors and multiples

- a. Write down three factors of 12 **1 2 3 4 6 12**
- b. Write down 3 factors of 100 **1 2 4 5 10 20 25 50 100**
- c. Write down all the factors of 36 **1 2 3 4 6 9 12 18 36**
- d. Write down two multiples of 10 **LEARNER'S CHOICE**
- e. Write down two multiples of 5 **LEARNER'S CHOICE**
- f. All multiples of 5 end in one of two digits. What are they? **0 5**

8. Even and odd numbers, square numbers, prime numbers **3 miles**

- a. All even numbers end with one of 5 digits. **0 2 4 6 8**
- b. What is the square of 4? **16**
- c. What is the square of 6? **36**
- d. Which number squared is 100? **10**
- e. There are 4 prime numbers in between 10 and 20. **11 13 17 19**