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Mathematics Department Homework Pack

Year 7 Module 1 Higher

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Name

Class Teacher

Name

Numeracy 1

$$\frac{\dots}{25} \times 100 = \dots\%$$

ADDITION

NON CALCULATOR

1.

$$\begin{array}{r} 376 \\ + 248 \\ \hline \\ \hline \end{array}$$

2.

$$\begin{array}{r} 564 \\ + 559 \\ \hline \\ \hline \end{array}$$

3.

$$\begin{array}{r} 2095 \\ + 5156 \\ \hline \\ \hline \end{array}$$

4.

$$\begin{array}{r} 3333 \\ + 8888 \\ \hline \\ \hline \end{array}$$

5.

$$\begin{array}{r} 472 \\ 3874 \\ + 2097 \\ \hline \\ \hline \end{array}$$

6.

$$\begin{array}{r} 1234 \\ 5678 \\ + 9012 \\ \hline \\ \hline \end{array}$$

SUBTRACTION

NON CALCULATOR

7.

$$\begin{array}{r} 643 \\ - 62 \\ \hline \\ \hline \end{array}$$

8.

$$\begin{array}{r} 344 \\ - 86 \\ \hline \\ \hline \end{array}$$

9.

$$\begin{array}{r} 703 \\ - 456 \\ \hline \\ \hline \end{array}$$

10.

$$\begin{array}{r} 507 \\ - 378 \\ \hline \\ \hline \end{array}$$

11

$$\begin{array}{r} 2000 \\ - 567 \\ \hline \\ \hline \end{array}$$

12.

$$\begin{array}{r} 8010 \\ - 4159 \\ \hline \\ \hline \end{array}$$

2 Marks each – 1 Mark for Effort

To improve I need to

Name Numeracy 2

$$\frac{\dots}{25} \times 100 = \dots\%$$

MULTIPLICATION

NON CALCULATOR

1.

$$\begin{array}{r} 678 \\ \times \quad 6 \\ \hline \\ \hline \end{array}$$

2.

$$\begin{array}{r} 527 \\ \times \quad 5 \\ \hline \\ \hline \end{array}$$

3.

$$\begin{array}{r} 846 \\ \times \quad 9 \\ \hline \\ \hline \end{array}$$

4.

3	4	
		2
		6

5.

5	3	
		3
		7

6.

8	5	
		5
		6

7.

1	2	9	
			5
			3

8.

3	1	7	
			4
			6

9.

5	2	8	
			7
			4

10.

2	3	4	5	
				4
				5

11.

3	0	4	2	
				3
				7

12.

6	7	8	
			3
			2
			0

2 Marks each – 1 Mark for Effort

To improve I need to

Name Numeracy 3

$$\frac{\dots}{25} \times 100 = \dots\%$$

NON CALCULATOR

1

$$3 \overline{) 129}$$

2

$$4 \overline{) 528}$$

3

$$8 \overline{) 848}$$

4

$$7 \overline{) 4613}$$

5

$$6 \overline{) 2748}$$

6

$$8 \overline{) 6504}$$

WITH REMAINDERS, Write the remainder as a fraction

7

$$5 \overline{) 461}$$

8

$$9 \overline{) 4403}$$

9

$$12 \overline{) 5696}$$

Write as a Decimal

10

$$8 \overline{) 4506}$$

11

$$5 \overline{) 3627}$$

12

$$8 \overline{) 3913}$$

2 Marks each – 1 Mark for Effort

To improve I need to

Name Numeracy 4

.....%

NON CALCULATOR Complete the multiplication grid

X	13	11	4	8	5	9	6	10	7	12
6										
11										
8										
5										
13										
4										
12										
10										
9										
7										

Name Numeracy 5

$$\frac{\dots}{25} \times 100 = \dots\%$$

MIXED

1.
$$\begin{array}{r} 3\ 9\ 8\ 7 \\ +\ 4\ 9\ 9\ 2 \\ \hline \end{array}$$

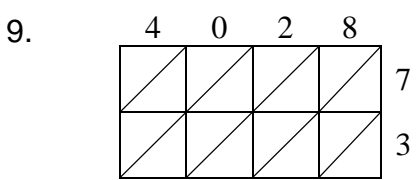
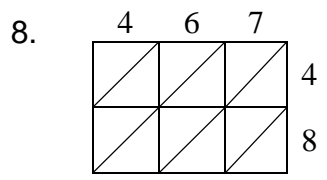
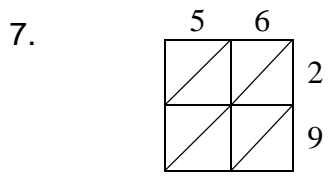
2.
$$\begin{array}{r} 4\ 3\ 2\ 1 \\ 8\ 7\ 6\ 5 \\ +\ 6\ 5\ 6\ 5 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 2\ 0\ 1\ 2 \\ -\ 5\ 8\ 9 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 9\ 0\ 3\ 0 \\ -\ 6\ 1\ 8\ 3 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 4\ 3\ 6 \\ \times \quad \quad 6 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 7\ 8\ 2 \\ \times \quad \quad 8 \\ \hline \end{array}$$



10.
$$7 \overline{) 6\ 4\ 1\ 2}$$

11.
$$4 \overline{) 1\ 8\ 2\ 5}$$

12.
$$1\ 5 \overline{) 7\ 9\ 2\ 0}$$

2 Marks each – 1 Mark for Effort

To improve I need to

Name

Numeracy -6

.....%

NON CALCULATOR Complete the multiplication grid

X	7	5	8	3	4	10	12	11	6	9
11										
8										
4										
15										
12										
6										
3										
10										
7										
9										

Name

Challenge

$$\frac{\dots}{14} \times 100 \dots\%$$

1. The school shop bought pencils in boxes of 250 for £12.50. The shop wants to make a profit of 9p per pencil. How much should they sell each pencil for?

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2. I set off with a twenty pound note and buy a magazine that costs £5.95, some sweets that cost £4.50 and a new pen. I am given £4.25 change. How much is the pen?

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3. Every week granny puts her change into a pot. At the end of the month she spills it out onto the table and counts up how much she has saved. Last month she had 23 two pence coins, 14 pennies and eight 5p pieces. How much has she saved?

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4. At the end of running the local marathon my watch said I finished at 16:22. I took 3 hours 45 minutes to complete the marathon. What time did my watch say I started the marathon?

.....
.....

5. In 2012 the population of a small town in New Zealand is 8968. In four years time it will double and then in another four years it will double again. What will be the population in 2020?

.....
.....

6. Fred is facing NE. In which direction will he be facing if he turns clockwise through 3 right angles?

.....
.....

7. How many 250 millilitre glasses can be filled from a 2.5 litre jug?

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