

WIGAN LEA

NUMERACY STRATEGY

6

**YEAR 6
BLOCK 1 ASSESSMENT**

Name:

Date:

KEY OBJECTIVES ASSESSED	Question
Order a mixed set of numbers with up to three decimal places.	10
Reduce a fraction to its simplest form by cancelling common factors.	13
Carry out column addition and subtraction of numbers involving decimals.	7
Derive quickly division facts corresponding to multiplication tables up to 10 x 10.	2,4
Carry out short multiplication and division of numbers involving decimals.	14
Use a protractor to measure acute and obtuse angles to the nearest degree.	15
Identify and use the appropriate operations (including combinations of operations) to solve word problems involving numbers and quantities, and explain methods and reasoning.	5, 8, 9, 11
Solve a problem by extracting and interpreting information presented in tables, graphs and charts	6, 18, 19, 20
Other Objectives Assessed	
Recognise and extend number sequences	1
Use closely related facts to multiply and adjust	3
Solve problems involving 'real life'	12
Calculate angles of a triangle or around a point	16
Classify a shape according to its line of symmetry	17

Correct responses

Mark

Level

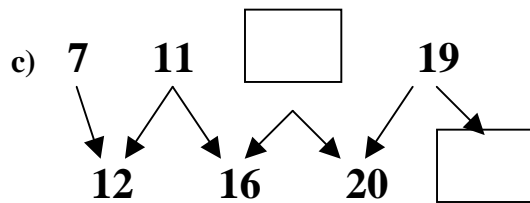
Year 6 Block 1 Assessment

1.

Write the missing numbers in these number sequences.

a) 78 75 69

b) 2 4 8 16



d) 0.6 1.3 2.0

4

2.

Calculate the missing numbers.

a) $7 \times \square = 56$

b) $6 \times \square = 66$

c) $\square \times 13 = 39$

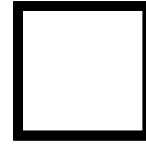
d) $9 \times 12 = \square$

4

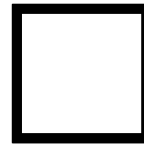
3.

Calculate :

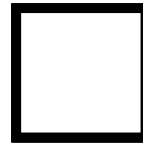
a) 58×6



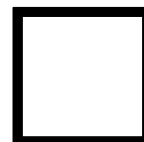
b) 47×7



c) 124×3



d) 67×9



4.

Calculate:

a) $63 \div \square = 9$

b) $144 \div 36 = \square$

c) $339 \div 3 = \square$

3

5.

12 bars of chocolate costs £3.00.
What is the cost of each chocolate bar?

1

6.

This chart shows the temperatures recorded at noon for some world cities

Which two cities had a difference of 25°C?

Sydney	29°C
Paris	22°C
London	13°C
Oslo	5°C
Moscow	-12°C

and

2

7.

The answers to the questions are in the number grid.

47	48	49
67	68	69
87	88	89

a) Which two numbers have a difference of 42?

and

b) Which number is a multiple of 8 and 11?

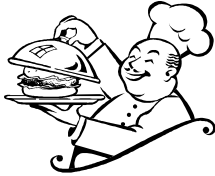
c) Which number is a square number?

d) Which two numbers have the sum of 156?

and







e) Which number can be divided by 9
with a remainder of 8?

8.



BENNY'S BURGER BAR

MENU

<p><u>Beefburger</u></p>  <p>99p</p>	<p><u>Cheeseburger</u></p>  <p>£1.20</p>	<p><u>Hot Dog</u></p>  <p>59p</p>
<p><u>Fries</u></p>  <p>68p</p>	<p><u>Milk Shake</u></p>  <p>72p</p>	<p><u>Coke</u></p>  <p>68p</p>

a) How much would Milk shake and Fries cost?

b) What would be the total cost if 4 children each buy a Beefburger and a Coke?

c) How much more does a Cheeseburger cost than a Hot Dog?

d) How much change from £2 would you get if you bought a Hot Dog and a coke?

9.



Sam is 104 cm tall
He has a mass of 27 kg



Amy



Jack is 177 cm tall
He has a mass of 62 kg

Jack is 19 cm taller than Amy.
Sam has half the mass of Amy.

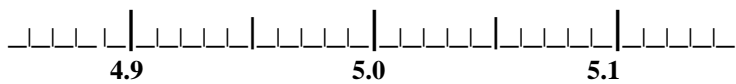
a) How tall is Amy?

b) Calculate Amy's mass

2

10.

Place these numbers on the number line using arrows.



a) 4.95 4.896 5.125 5.091 4.982

Round these numbers to the nearest whole number.

b) 24.7 _____

c) 36.68 _____

d) 135.39 _____

4

11.



SAM'S SPORT SHOP

PRICE LIST



£12.41



£9.99



£15.25
per pair



£1.75



£17.80

a) How much would a football and dart board cost?

1

b) How much would 8 pair of football boots cost?

1

c) How many baseball caps can you buy for £10?

How much change?

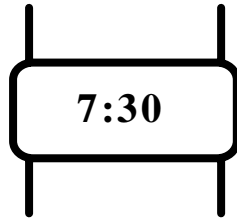
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d) Could you buy one of each for £50? -----

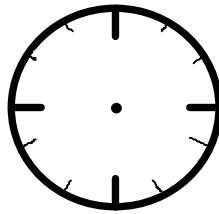
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12.

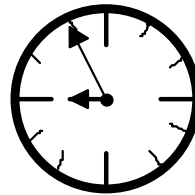
a) John woke up and looked at his watch. This is what it showed.



Draw this time on the clock below.

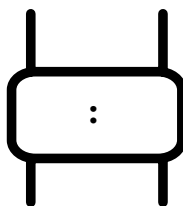


b) The clock outside school shows:



Write this time in words:

c) John set off for home at half past three in the afternoon. Write what it shows on his digital watch.



13.

Write this fraction in its simplest form.

$$\frac{\underline{4}}{12} = \frac{\square}{\underline{3}}$$

1

14.

Calculate the following.

a) **12.5 x 6**

b) **42.3 x 7**

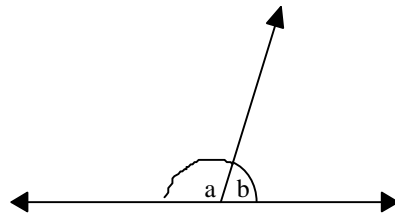
c) **36.9 ÷ 9**

d) **80.5 ÷ 5**

4

15.

Measure these angles to the nearest degree.



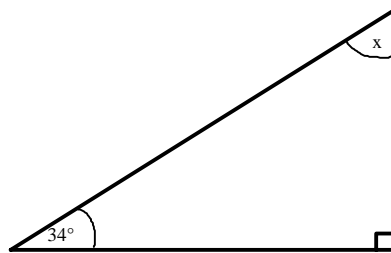
Angle 'a' is °

Angle 'b' is °

2

16.

a) Look at the triangle.

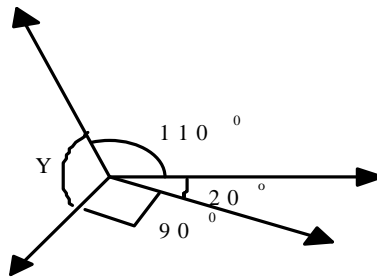


What is the value of angle X ?

°

1

b) What is the value of angle Y?

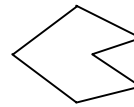
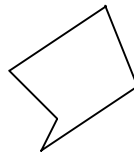
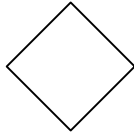
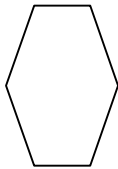


Y = °

1

17.

Match each shape to its number of lines of symmetry.



0

1

2

4

1

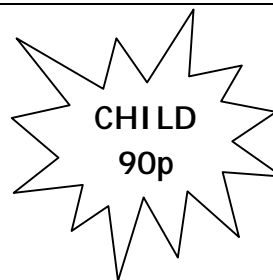
18.



The Local Swimming Baths

OPENING TIMES

Monday to Friday	7.30 am to 9.00 pm
Saturday	9.00 am to 4.30 pm
Sunday	9.00 am to noon



1. How many hours are the baths open

a) On Wednesday?

b) On Sunday?

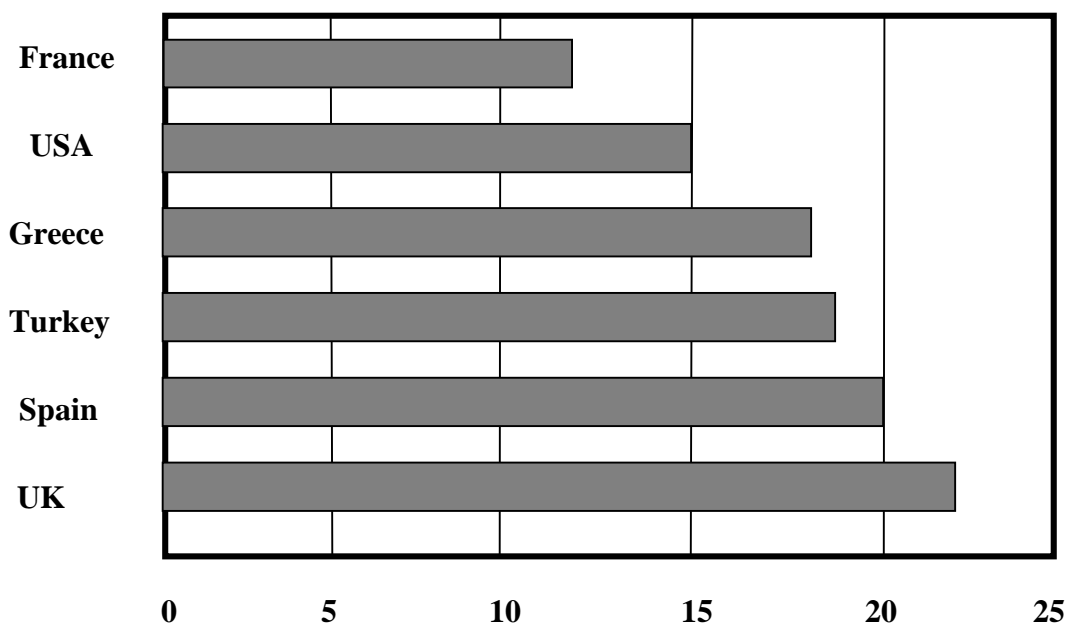
2

2. How much would it cost for 2 adults and 3 children to swim?

2

19.

HOLIDAY DESTINATIONS



Year 6 collected the results about where they had been for their summer holidays.

Look at the results shown by the graph

a) How many children travelled to France?

1

b) How many more children had holidays in the UK than in the USA?

1

20.

This chart shows the number of people who visited a Sports Centre on three days.

DAY	SWIMMING	SQUASH	NETBALL
MONDAY	100	42	14
TUESDAY	65	35	14
WEDNESDAY	25	31	14

a) How many people went swimming on Wednesday?

b) How many people visited the centre on Monday

c) How many people played squash on the three days?

3