



## Westbourne House School Revision – Summer Term



### **Y5 MATHS REVISION CHECKLIST**

#### **The Exam(s) will consist of:**

One Non-calculator Paper – duration 60 minutes

#### **Equipment you will need for the exam:**

- Ruler (15cm and 30cm)
- Pencil
- Eraser and pencil sharpener
- Protractor

WHAT TO REVISE	DONE?
<ul style="list-style-type: none"><li>• Language of maths - factors and multiples, square numbers, odd, even, prime numbers.</li><li>• Place value (whole numbers and decimals)</li><li>• The four operations (addition, subtraction, multiplication and division) with whole numbers, decimals and metric units</li><li>• Multiplying and dividing by 10, 100 and 1000</li><li>• Fractions to decimals</li><li>• Mixed Numbers and Improper Fractions</li><li>• Fractions – shading fractions, fractions of a number</li><li>• Fraction calculations</li><li>• Applying skills to worded questions</li><li>• Measuring (metric units) and reading these on scales</li><li>• Area and perimeter of squares and rectangles</li><li>• Measuring angles and using angle reasoning</li><li>• Bar charts and reading graphs</li><li>• Reading from timetables</li></ul>	

#### **NOTES/TIPS:**

- Revise by practising the questions below, as well as appropriate websites like [www.mathletics.co.uk](http://www.mathletics.co.uk) or [www.mymaths.co.uk](http://www.mymaths.co.uk)
- In all maths exams workings are essential. It must be assumed that any question worth more than 1 mark requires at least one line of working. Workings should be clearly set out in a logical manor preferably starting at the top of the space provided and working in a downwards direction.
- For any further information or guidance about revision or the actual exam, please contact the Head of Maths – Mrs Lucy Low ([llo@westbournehouse.org](mailto:llo@westbournehouse.org))

## **Number work**

1. What is the value of the 7 in 45678 circle the correct answer

(seven        seventy        seven thousand    seventy thousand)

What is the value of the 8 in 486704

(eight        eighty        eight thousand    eighty thousand)

2. Using **all four** of the digits 2, 4, 5 and 8 write down

- a. The smallest even number
- b. An odd number
- c. A multiple of two

3. Calculate the following

- a.  $493 + 578$
- b.  $567 - 94$
- c.  $126 \div 3$
- d.  $56 \div 6$
- e.  $23 \times 43$

4. Fill in the missing blanks

- a.  $2 \times \dots\dots\dots = 18$
- b.  $\dots\dots\dots \div 5 = 8$
- c.  $6 \times \dots\dots\dots = 66$
- d.  $4 \times 12 = \dots\dots\dots$
- e.  $72 \div 8 = \dots\dots\dots$

5. Fill in the blanks with either + , - , x or ÷

- a.  $4 \dots\dots\dots 5 = 20$
- b.  $4 \dots\dots\dots 5 = 9$
- c.  $3 \dots\dots\dots 9 = 27$
- d.  $23 \dots\dots\dots 8 = 15$
- e.  $40 \dots\dots\dots 8 = 5$

6. Multiply and divide by 10 and 100

- a.  $23 \times 100 =$
- b.  $2.3 \times 10 =$
- c.  $3400 \div 100 =$
- d.  $45 \div 10 =$
- e.  $78 \div 100 =$

7. Write **four** number sentences using the following numbers

i.e. 2 of each of the following form

$$\dots\dots\dots \times \dots\dots\dots =$$

$$\dots\dots\dots \div \dots\dots\dots =$$

- |       |   |    |
|-------|---|----|
| a. 12 | 8 | 96 |
| b. 20 | 5 | 4  |

8. Converting mixed numbers to improper and back again:

a) Write  $\frac{27}{6}$  as a mixed number

b) Write  $1\frac{5}{6}$  as an improper fraction

c) Write  $\frac{9}{2}$  as a mixed number

d) Write  $4\frac{1}{3}$  as an improper fraction

9. Finding fractions of a number:

a. Find  $\frac{1}{2}$  of 24, 36, 40, 7, 10, 11

b. Find  $\frac{1}{3}$  of 24, 36, 48, 96

c. Find  $\frac{2}{3}$  of 12, 18, 36, 102

10. Other fraction questions

a. What is 45 cm as a fraction of 1m?

b. Which fraction is needed to add to  $\frac{2}{5}$  to make a whole one?

c. What is 60p as a fraction of £1?

## 11. Worded questions

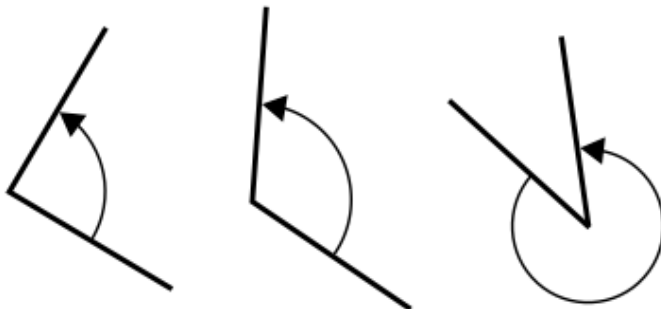
- a. If a year group has 54 pupils and there are 3 classes. How many pupils are there in each class?
- b. If John has 30 cars and Bill has 34. How many do they have altogether?
- c. If I save £2.00 a week for 52 weeks, how much will I have in total?
- d. There are 3 hamsters for every 10 goldfish in a pet shop.
- e. If there are 9 hamsters, how many goldfish are there?
- f. If there are 20 goldfish, how many hamsters are there?
- g. There are 52 pets in total in the shop. How many hamsters are there?

## 12. Number sequences: fill in the missing blanks

- a) 1, 4, 7, 10, ....., ....., 19
- b) 25, 21, 17, 13, ....., ....., 1
- c) 8.3, 8.5, 8.7 8.9 ..... 9.5
- d) 20.15, 20.3, 20.45, ..... 20.9

## **Shape and space**

### 13. Measure the following angles

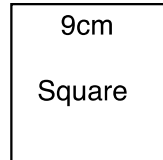
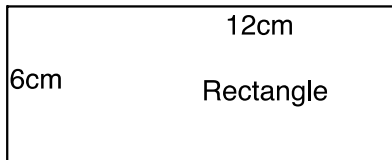
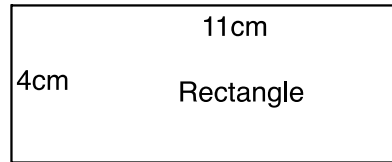
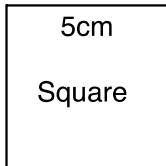


angle P

angle Q

angle R

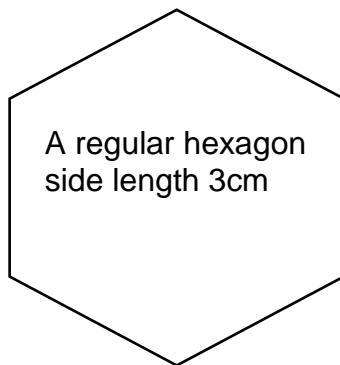
14. Find the area and perimeter of the following rectangles and squares



15. A square has an area of  $144 \text{ cm}^2$ . What is

- a. Its side length?
- b. Its perimeter?

16. Find the perimeter of this shape:



### **Time and timetables**

17. Convert the following from hours and minutes to just minutes.

- a. 2 hours 15 mins
- b. 3 hours and a half
- c. 1 hour and a quarter

18. Convert the following from minutes to hours and minutes

- a. 75 mins
- b. 120 mins
- c. 300 mins
- d. 95 mins

19. The following is a part of the county bus timetable from Bolton to Blackpool

<b>Bolton</b>	<b>09 37</b>	<b>13 04</b>	<b>15 25</b>
<b>Wigan</b>	<b>10 04</b>	<b>13 31</b>	<b>-</b>
<b>Chorley</b>	<b>10 31</b>	<b>13 55</b>	<b>16 17</b>
<b>Preston</b>	<b>10 56</b>	<b>14 16</b>	<b>16 32</b>
<b>Freckleton</b>	<b>11 14</b>	<b>-</b>	<b>-</b>
<b>Blackpool</b>	<b>11 32</b>	<b>14 50</b>	<b>17 06</b>

a. Where is the bus at 1632?



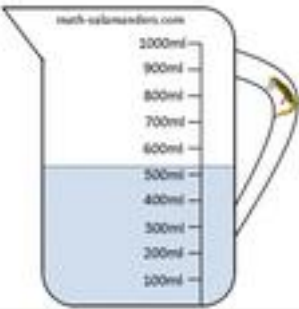
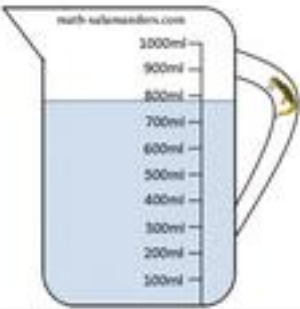
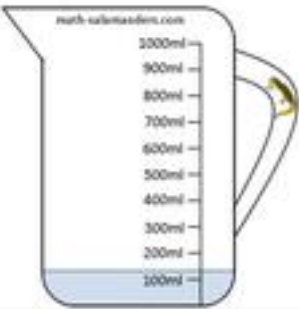
b. How many stops does the 1525 bus from Bolton make between Bolton and Blackpool?

c. How long does the 1304 bus from Bolton take to get to Wigan?

d. I arrive at Chorley at 13:15. If I take the next available bus at what time will I arrive at Blackpool?

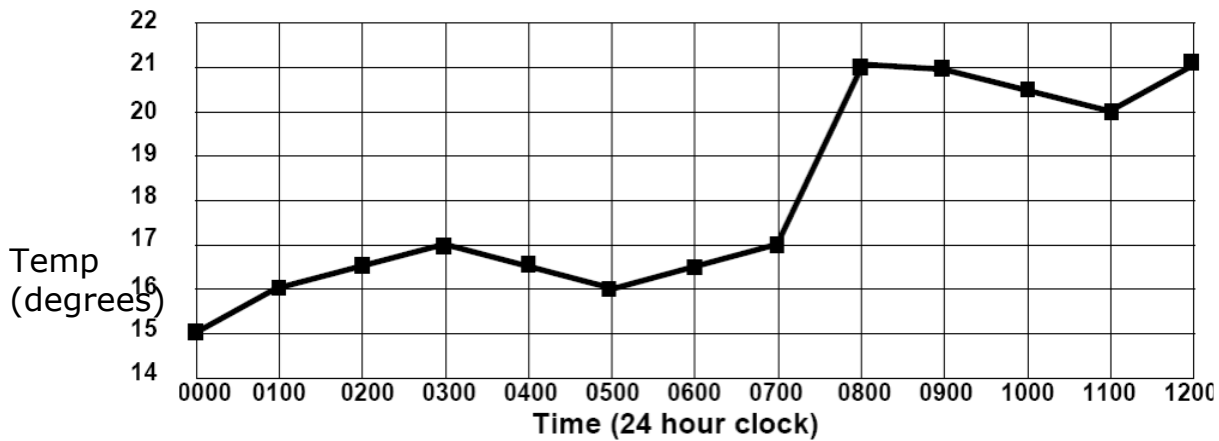
### Reading scales

20.

<p>1) How long? _____</p> 		<p>2) How long? _____</p> 	
<p>3) How much? _____</p> 	<p>4) How much? _____</p> 	<p>5) How much? _____</p> 	

## Interpreting graphs

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This graph shows the temperature in a room over twelve hours.  
Answer the questions below.

- What was the lowest temperature recorded on the chart?
- What was the temperature at 3 o'clock am?
- What was the temperature at 11.00?
- Which hour shows the biggest rise in temperature?
- For how long was the temperature between 16 and 17 degrees?
- Can you estimate the temperature at 07.30?
- Can you estimate the temperature at 10.00?