

Year 4/5 Maths

Summer week 10 Lesson 4– 02.07.20

Starter

Roll the two dice to create a decimal number.
Round the number to the nearest whole one.
Repeat this so that you have eight decimal numbers.
List your decimal numbers in order from largest to smallest.

$$\begin{array}{c} 7 \\ \hline \end{array} . \begin{array}{c} 6 \\ \hline \end{array} \longrightarrow 8$$

Extension

Roll the dice 3 times and make a decimal number with 2 decimal places then order your decimals.



Look carefully at the time table below for the buses that run around Hogwarts.

Station Stop	Bus A	Bus B	Bus C
Herbology	06:30	08:30	10:30
Umbridge's Office	06:40	08:40	10:40
Boy's Dormitory	07:00	-	11:00
Clock Tower	07:20	09:20	11:20
Owlery	07:30	09:30	-
Stone Circle	07:35	09:35	11:35
Hagrid's Hut	07:50	-	11:50
Great Hall	08:10	10:10	12:10
Boat House	08:20	10:20	-
Viaduct	08:35	-	12:35
Stone Bridge	08:50	10:50	12:50

Answer the questions below using the information from the timetable.

- How long does it take to get from Herbology to Stone Circle? *1h 5 mins*
- How long does it take to get from Hagrid's Hut to Stone Bridge? *1h*
- How long will you be on the bus if you got on at Herbology and got off the bus at Stone Bridge? *1h 20 mins*
- Harry needs to get to Hagrid's Hut for 8:30. What bus will he need to get? *A*
- If Harry is at the Boy's Dormitory. He needs to get to the Boat House, what is the last bus he will be able to catch? *A*
- Ron needs to get off the bus at the Owlery. Why should he not get bus C?
It doesn't stop there
- How many buses stop at the Viaduct? *2*
- Ron has missed Bus A and needs to be at Hagrid's Hut for 09:30. What bus will he need to get now? *C* How late will Ron be getting to Hagrid's Hut? *2h 20 mins*

Q1.

- (a) blue **AND** white
*Colours may be given in either order.
 Accept unambiguous abbreviations or recognisable misspellings.*
- (b) 600
- (c) 75

Q2.

- (a) £3.48
- (b) Award **TWO** marks for the correct answer of £1.10
 If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:
- $£1.80 + 30p = £2.10$
 $60p + 40p = £1.00$
 $£2.10 - £1.00 = \text{wrong answer}$
*Accept for **ONE** mark £110 OR £110p as evidence of appropriate working.
 Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2

Q3.

- Gives a correct explanation which demonstrates how the graph shows two children could be taller than Alfie, eg:
- One person from the class is 160-169cm. But someone as well as this person could be taller than Alfie. 2 people range from 150-159 cm, the other person could be 154, 155, etc
Minimally acceptable explanation, eg:
 - It could be 1.64, 1.56, Alfie
 - It depends on how tall the other person in his height group is
 - There could be someone between 150-159 cm who is taller than Alfie*! Condone incorrect use of boundary values, eg:*
 - One child is in the range 160 cm–169 cm.
 Don't know how tall the other child between 150 cm and 159 cm is*Do not accept incomplete or incorrect explanation, eg:*
 - There is 1 child in the range 150 cm-159 cm taller than Alfie
 - There could be two children taller than Alfie

Q4.

- (a) £7
Accept an answer in the range £6.75 to £7.25 inclusive.
- (b) 4
Do not accept a list of classes.

1

1

Q5.

Award **TWO** marks for four names correctly placed on the diagram as shown:

Alfie	Donna
Megan	Chen

If the answer is incorrect, award **ONE** mark for three names correctly placed.

[2]

Q6.

Award **TWO** marks for three boxes completed correctly, e.g:

	multiple of 5	not a multiple of 5
multiple of 3	30	3, 6, 9 etc
not a multiple of 3	5, 10, 20 etc	1, 2, 4, 7 etc

If the answer is incorrect, award **ONE** mark for at least two boxes completed correctly.

Accept more than one correct multiple in any box.

Do not accept any box containing a correct multiple and an incorrect number.

Up to 2

[2]

Q7.

2,250

Do not accept $2000\frac{1}{4}$ **OR** $2\frac{1}{4}$ **OR** 2.25

[1]

Q8.

(a) 7

Do not accept -7 or 7-

1

(b) Oslo

Accept unambiguous abbreviations or recognisable misspellings.

1

[2]

Q9.

(a) 200

1

(b) 50

1

[2]

Q10.

Award **TWO** marks for the correct answer of 1,609

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

• $5,895 + 1,344 = 7,239$

$8,848 - 7,239$

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2m

[2]

Q11.

(a) 7

1

Do not accept -7 or 7-

(b) -2

Q12.

5

Do not accept 300 (minutes)

