

**Year 4/5**

**Maths**

**Homework**

**Autumn 2 2016**

This booklet contains all of your  
Maths homework for this half term.

Each week your teacher will talk you  
through the relevant task for that week.

Please complete each task in your  
homework book. This booklet should

remain at home which will

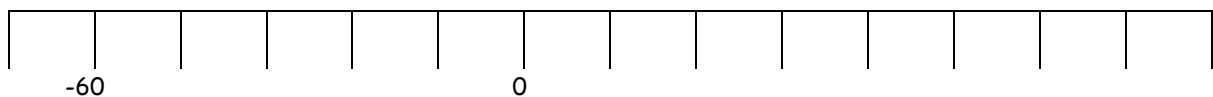
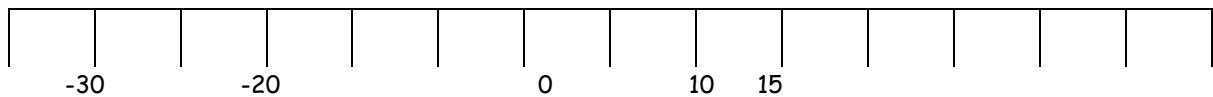
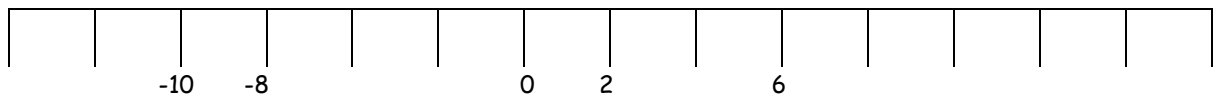
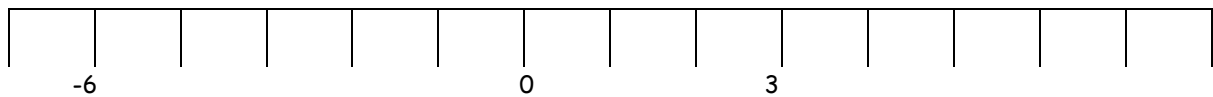
ensure it is not lost.

# Week 1: Maths homework due in 7<sup>th</sup> November 2016

## Negative numbers

### BRONZE

Finish these number lines:



# SILVER

## Section A

1. Put these temperatures in order, the lowest first.

- a)  $2^{\circ}\text{C}$ ,  $-8^{\circ}\text{C}$ ,  $-1^{\circ}\text{C}$ ,  $-6^{\circ}\text{C}$ ,  $-4^{\circ}\text{C}$
- b)  $6^{\circ}\text{C}$ ,  $10^{\circ}\text{C}$ ,  $-15^{\circ}\text{C}$ ,  $-11^{\circ}\text{C}$ ,  $14^{\circ}\text{C}$
- c)  $16^{\circ}\text{C}$ ,  $18^{\circ}\text{C}$ ,  $-23^{\circ}\text{C}$ ,  $-25^{\circ}\text{C}$ ,  $-13^{\circ}\text{C}$ ,  $12^{\circ}\text{C}$ ,  $20^{\circ}\text{C}$
- d) Which of these temperatures is lowest?
  - i)  $-4^{\circ}\text{C}$  or  $-2^{\circ}\text{C}$
  - ii)  $-8^{\circ}\text{C}$  or  $8^{\circ}\text{C}$
  - iii)  $-16^{\circ}\text{C}$  or  $-17^{\circ}\text{C}$
  - iv)  $-5^{\circ}\text{C}$  or  $-6^{\circ}\text{C}$

## Section B

- 1. The temperature rises by 15 degrees from  $-4^{\circ}\text{C}$ . What is the new temperature?
- 2. The temperature falls from  $11^{\circ}\text{C}$  to  $-2^{\circ}\text{C}$ . How many degrees does the temperature fall?
- 3. The temperature is  $6^{\circ}\text{C}$ . It falls by 8 degrees. What is the temperature now?
- 4. The temperature is  $-3^{\circ}\text{C}$ . How much must it rise to reach  $5^{\circ}\text{C}$ ?

# GOLD

## Complete the table

Planet	Hottest recorded temperature	Coldest recorded temperature	Difference
Kark	$10^{\circ}\text{C}$	$-5^{\circ}\text{C}$	$15^{\circ}\text{C}$
Hikl	$126^{\circ}\text{C}$	$37^{\circ}\text{C}$	
Topa	$54^{\circ}\text{C}$	$12^{\circ}\text{C}$	
Uni-7	$-13^{\circ}\text{C}$	$-179^{\circ}\text{C}$	
Jolarg	$54^{\circ}\text{C}$	$-68^{\circ}\text{C}$	
Vortan	$104^{\circ}\text{C}$	$-97^{\circ}\text{C}$	
Intop	$-95^{\circ}\text{C}$	$-214^{\circ}\text{C}$	
Yurg	$-27^{\circ}\text{C}$	$-163^{\circ}\text{C}$	

## Week 2: Maths homework due in 14<sup>th</sup> November 2016

Multiplying and dividing by 10/100/1000

### BRONZE

Divide each number by 10.

1.  $90 \div 10 =$

2.  $70 \div 10 =$

3.  $110 \div 10 =$

4.  $150 \div 10 =$

5.  $260 \div 10 =$

6.  $370 \div 10 =$

7.  $480 \div 10 =$

8.  $730 \div 10 =$

### SILVER

1.  $0.9 \times 10 =$

2.  $1.7 \times 10 =$

3.  $2.2 \times 10 =$

4.  $3.6 \times 10 =$

5.  $2.6 \times 10 =$

6.  $0.37 \times 100 =$

7.  $4.8 \times 100 =$

8.  $0.73 \times 100 =$

## GOLD

Copy and complete

1.  $4.3 \times 10 =$

2.  $10 \div 1000 =$

3.  $9.8 \div 10 =$

4.  $6.74 \times 100 =$

5.  $7.32 \div 10 =$

6.  $9.5 \times 100 =$

7.  $34.74 \times 100 =$

8.  $682 \div 100 =$

9.  $17 \div 100 =$

10.  $47.5 \div 10 =$

11.  $0.6 \times 100 =$

12.  $6.78 \times 100 =$

13.  $3.45 \div 10 =$

14.  $23.54 \div 100 =$

## Week 3: Maths homework due in 21<sup>st</sup> November 2016

### Number patterns

#### BRONZE

1) 3, 4, 5, 6, 7, 8, \_\_, \_\_, \_\_

What is the rule?

2) 14, 16, 18, 20, 22, \_\_, \_\_, \_\_

What is the rule?

3) 5, 10, 15, 20, 25, \_\_, \_\_, \_\_

What is the rule?

4) 80, 70, 60, 50, 40, \_\_, \_\_, \_\_

What is the rule?

5) 16, 26, 36, 46, 56, \_\_, \_\_, \_\_

What is the rule?

#### SILVER

Example:

3, 6, 9, 12, 15, 18, 21, 24. Rule: Add 3

1. 8, 12, 16, \_\_, \_\_, \_\_

Rule:

2. 19, 28, 37, \_\_, \_\_, \_\_

Rule:

3. 33, 27, 21, \_\_, \_\_, \_\_

Rule:

4. 13, 25, 37, \_\_, \_\_, \_\_

Rule:

5. 100, 96, 92, \_\_, \_\_, \_\_

Rule:

## GOLD

a) 15, 17, \_\_, \_\_, 23, 25, \_\_, \_\_ The rule is

b) \_\_, 33, 38, \_\_, 48, \_\_, \_\_, 63 The rule is

c) \_\_, \_\_, 26, \_\_, \_\_, 56, \_\_, \_\_ The rule is

---

d) 91, \_\_, 81, \_\_, \_\_, 66, \_\_, \_\_ The rule is







e) \_\_, 62, \_\_, \_\_, \_\_, \_\_, \_\_, 2 The rule is

f) \_\_, 85, \_\_, \_\_, 79, \_\_, 75, \_\_ The rule is

## Week 4: Maths homework due in 28<sup>th</sup> November 2016

### Money problems

## BRONZE

You have a 10 pence coin. 	You buy a toy. 	You receive 2 bronze coins as change.	What coins could they be?	How much was the toy?
You have a 10 pence coin. 	You buy a toy. 	You receive 3 bronze coins as change.	What coins could they be?	How much was the toy?
You have a 10 pence coin. 	You buy a toy. 	You receive 1 bronze coin and 1 silver coin as change.	What coins could they be?	How much was the toy?

## SILVER

- 1, Oranges cost 49p a kg, apples 39p a kg. I buy 1kg of each and pay with a £1. How much change do I get?
- 2, I buy two packets of crisps for 27p. How much change do I get from £1.
- 3, I buy 3 apples for 21p each. How much change would I get from £1?
- 4, A pen costs 70p a pad 55p. How much change would I get from £2?
- 5, I buy a rubber for 45p and a ruler for 44p. How much change would I get from a pound?

## GOLD

Work out if each offer is a good deal or a bad deal.



Burgers usually cost £1.75 each. Today you get 2 for £3.50.

Do you save any money?

Good deal or bad deal?



If yes, how much?



Oranges usually cost 65p each. Today you get 4 for £2.00.

Do you save any money?

Good deal or bad deal?



If yes, how much?



Crisps usually cost 49p a bag. Today you get 2 bags for £1.00.

Do you save any money?

Good deal or bad deal?



If yes, how much?



Apples usually cost 88p a kilo. Today you get 2 kilos for £1.60.

Do you save any money?

Good deal or bad deal?



If yes, how much?



Biscuits usually cost £1.35 a packet. Today you get 2 packets for £2.70.

Do you save any money?

Good deal or bad deal?



If yes, how much?


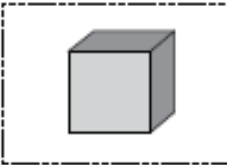








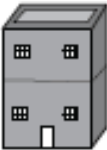



# Week 5: Maths homework due in 5<sup>th</sup> December 2016

## 3D shape.

### BRONZE

Draw and label the solid shape of each object.

		<input type="text" value="Cube"/>
		<input type="text"/>
		<input type="text"/>
		<input type="text"/>
		<input type="text"/>
		<input type="text"/>

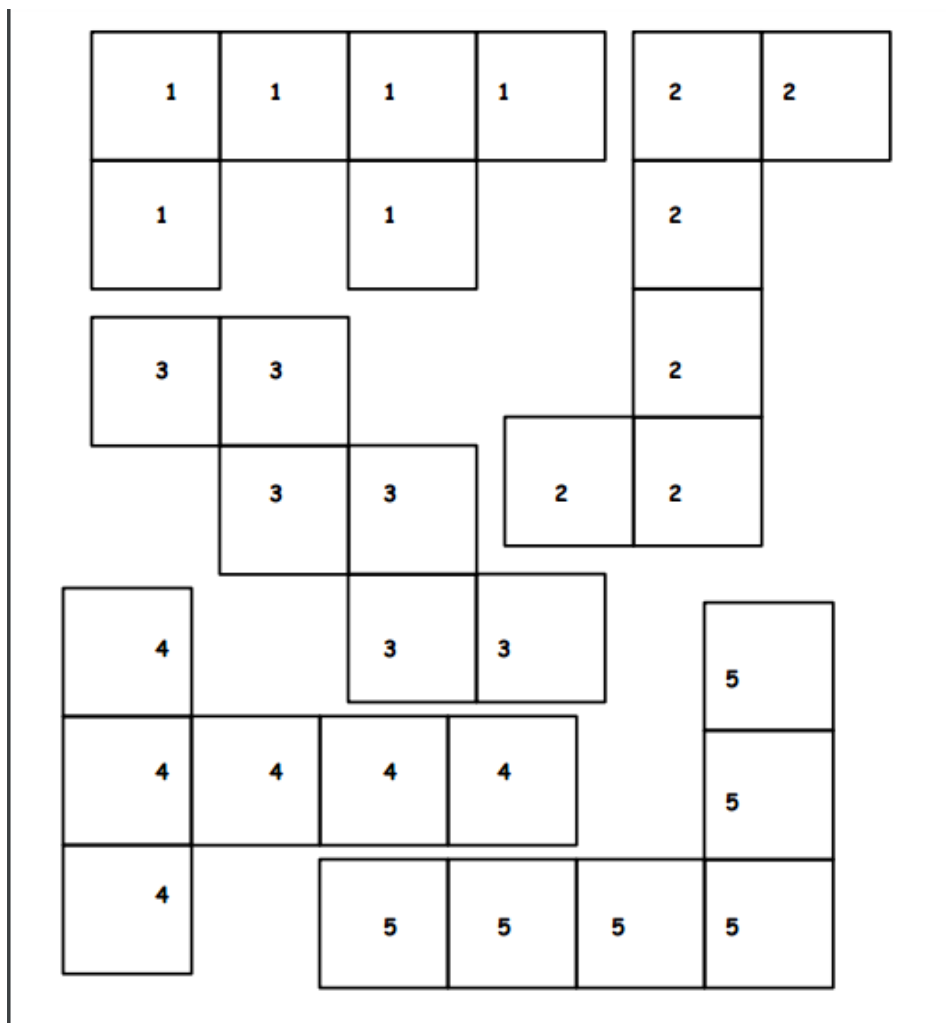
# SILVER

Complete this table.

Shape	Corners	Edges	Faces	Special faces
Cuboid	-	-	-	Its faces are _____ and _____.
Cone	-	-	-	One of its faces is a _____.
Cylinder	-	-	-	Two of its faces are _____.
Triangular Prism	-	-	-	Its faces are _____ and _____.
Triangular based pyramid	-	-	-	Its faces are _____.
Square-based pyramid	-	-	-	Its faces are _____ and _____.

# GOLD

Which of these nets will make a cube? There may be more than one!



## Week 6: Maths homework due in 12<sup>th</sup> December 2016

### Addition and Subtraction

#### BRONZE

Put the following missing numbers so that each sum makes 100.

1.  $23 + \square = 100$

2.  $79 + \square = 100$

3.  $61 + \square = 100$

4.  $41 + \square = 100$

5.  $71 + \square = 100$

6.  $45 + \square = 100$

#### SILVER

1) $73 - 16 = \square$	2) $35 + 93 = \square$	3) $81 - 57 = \square$
4) $39 + 72 = \square$	5) $77 - 68 = \square$	6) $28 + 44 = \square$
7) $54 - 25 = \square$	8) $61 + 89 = \square$	9) $98 - 33 = \square$

## GOLD

$$1) \quad 224$$

$$\quad - 185$$

---

---

$$2) \quad 485$$

$$\quad + 529$$

---

---

$$3) \quad 751$$

$$\quad - 243$$

---

---

$$4) \quad 522$$

$$\quad + 324$$

---

---

$$5) \quad 841$$

$$\quad - 197$$

---

---

$$6) \quad 636$$

$$\quad + 239$$

---

---

$$7) \quad 458$$

$$\quad - 119$$

---

---

$$8) \quad 731$$

$$\quad + 516$$

---

---