

Hola niñas/niños

Well done for all of your hard work this week.



First have a go at completing the activity mat. Remember, this is an optional task.

# Year 5 Maths Activity Mat

4

## Section 1

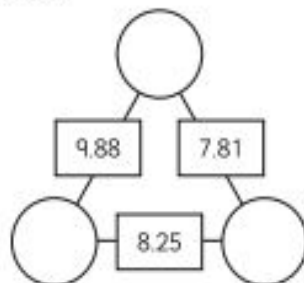
The temperature is  $4^{\circ}\text{C}$  at 9pm. By 6am the following morning, the temperature has fallen by  $9^{\circ}\text{C}$ . What is the temperature now?

## Section 2

The new Wembley Stadium has 90 000 seats. When the stadium is 75% full, what is the attendance to the nearest 1000.

## Section 5

Place three of the following numbers in the circles so the number in the square is the total of the numbers in the adjacent circles: 6.23, 4.72, 3.09, 7.26, 5.16, 2.69



## Section 6

1 inch = 2.54 cm

1 foot = 12 inches

How many centimetres in 1 foot?

## Section 3

Complete these calculations:

$$\begin{array}{r} \phantom{0}4 \phantom{0} \phantom{0}2 \\ + \phantom{0} \phantom{0}6 \phantom{0}9 \\ \hline \phantom{0}8 \phantom{0}5 \phantom{0} \end{array}$$

$$\begin{array}{r} \phantom{0}7 \phantom{0} \phantom{0}5 \\ - \phantom{0}3 \phantom{0}7 \phantom{0} \phantom{0} \\ \hline \phantom{0} \phantom{0} \phantom{0}5 \phantom{0}8 \end{array}$$

## Section 4

Order the following fractions from smallest to largest:

$$\frac{3}{4} \quad \frac{11}{12} \quad \frac{7}{8} \quad \frac{13}{16}$$

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## Section 7

Write the name of these shapes:



## Section 8

Children measure the temperature in the playground on each hour.

Time	Temperature
9am	-1
10am	2
11am	5
12pm	7
1pm	8

When is the highest temperature?

How much does the temperature rise between 9am and 12pm?

For the main task we are going to continue to work from the White Rose site. We are going to order and compare decimals. Please follow the link carefully.

Please let the video guide you when tackling the activity.

1. Copy or click on the link (press Ctrl then click) <https://whiterosemaths.com/homelearning/>

Then click Year 5

The screenshot shows the White Rose Maths Home Learning page. At the top, there is a 'Summer Term Plans' banner with a 'Click here for more details' button. Below this is a 'Hello there, Parents and Carers!' message. The main content area is a grid of buttons for different year groups: Early Years, Year 1, Year 2, Year 3, Year 4, Year 5, Year 6, Year 7, Year 8, Year 9, Year 10, and By Topic. A blue arrow points to the 'Year 5' button. To the right of the grid is a vertical sidebar menu with a 'Home Learning' header and a list of options: Summer Term, Easter Fun, Home Learning - Early Years, Home Learning - Year 1, Home Learning - Year 2, Home Learning - Year 3, Home Learning - Year 4, Home Learning - Year 5, Home Learning - Year 6, Home Learning - Year 7, Home Learning - Year 8, Home Learning - Year 9, and Home Learning - Year 10.

**Click** Summer Term - Week 6 (w/c 1st June)

**First, watch the video to support your learning and use it to work on the activity sheets below.**

### Lesson 4 - Order and compare decimals

Tens	Ones	Tth	Hth
1 orange coin	1 black dot	2 orange coins	1 green coin
	8 red coins	6 orange coins	8 green coins

10.21

8.68

05:45

Looking for the worksheets? Contact your teacher to check if they have a subscription to our worksheets. Alternatively, [read more here](#) or get some extra resources from [BBC Bitesize](#).

**Already covered this content**

[Click here to find an alternative plan.](#)

# Order and compare decimals

1 Which number is greater?

Tick your answer.



Explain your answer.

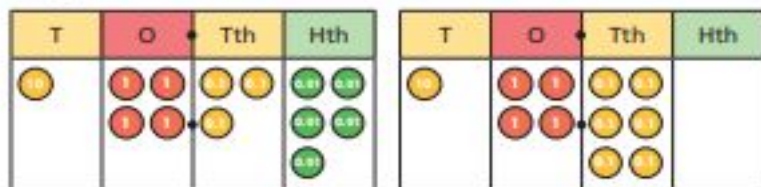
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2 Which is the smaller number?

Tick your answer.



Explain your answer.

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3 Use place value counters to make each of the numbers.

4.13

4.08

5.1

a) Which is the greatest number?

b) Which is the smallest number?

How do you know?

4 Here are some numbers in a place value chart.

Ones	Tenths	Hundredths	Thousandths
3	2	3	4
3	1	6	
3	2	0	8
3	1	4	5

Write the numbers in order, starting with the greatest.





5 Mo, Amir, Ron, Teddy and Jack are measuring their heights with a metre rule.



Write the names and heights of the children in order from shortest to tallest.

Name	Height

# Answers -

## Order and compare decimals

1 Which number is greater?

Tick your answer.



Explain your answer.

It has more tenths.

2 Which is the smaller number?

Tick your answer.



Explain your answer.

It has fewer tenths.

3 Use place value counters to make each of the numbers.

4.13      4.08      5.1

a) Which is the greatest number?

5.1

b) Which is the smallest number?

4.08

How do you know?

4 Here are some numbers in a place value chart.

Ones	Tenths	Hundredths	Thousandths
3	2	3	4
3	1	6	
3	2	0	8
3	1	4	5

Write the numbers in order, starting with the greatest.

3.234

3.208

3.16

3.145

5 Mo, Amir, Ron, Teddy and Jack are measuring their heights with a metre rule.



Write the names and heights of the children in order from shortest to tallest.

Name	Height
Teddy	1.3m
Ron	1.32m
Mo	1.35m
Jack	1.5m
Amir	1.52m



- 6 Alex and Dora are competing in the long jump.  
Alex jumps 1.35 metres and Dora jumps 1.4 metres.

Alex wins because 35  
is greater than 4



- a) Is Dora correct? no

Talk about it with a partner.

- b) Kim joins in the competition.

What is the shortest distance she can jump to go into the lead?

1.41 m

- 7 Write the numbers in ascending order.

- a) 0.45      0.654      0.546      0.405

0.405

0.45

0.546

0.654

- b) 7.2 kg      7.212 kg      7.21 kg

7.2kg

7.21kg

7.212kg

- c) 25.391      25.309      25.093      25.193

25.093

25.193

25.309

25.391

- 8 Dexter is thinking of a number.



It is a decimal number  
with 2 decimal places that is  
greater than 2.47 but  
less than 2.58

What possible numbers could Dexter be thinking of?

2.48, 2.49, 2.50, 2.51, 2.52, 2.53, 2.54, 2.55, 2.56, 2.57

- 9 Tick the numbers that are equal to 2.5

Circle the numbers that are greater than 2.5

You will need to convert the mixed numbers to decimal numbers first.

2.05

$2\frac{5}{10}$  ✓

$2\frac{1}{2}$  ✓

$2\frac{5}{100}$

2.53

$2\frac{3}{5}$

2.501

$2\frac{80}{100}$

$2\frac{3}{10}$

## Challenge mat answers -

### Answers

#### Section 1

The temperature is  $4^{\circ}\text{C}$  at 9pm. By 6am the following morning, the temperature has fallen by  $9^{\circ}\text{C}$ . What is the temperature now?

**$-5^{\circ}\text{C}$**

#### Section 2

The new Wembley Stadium has 90 000 seats. When the stadium is 75% full, what is the attendance to the nearest 1000.

**68 000**

#### Section 3

Complete these calculations:

$$\begin{array}{r} 4 \quad \boxed{8} \quad 2 \\ + \quad \boxed{3} \quad 6 \quad 9 \\ \hline 8 \quad 5 \quad 1 \end{array}$$

$$\begin{array}{r} 7 \quad \boxed{3} \quad 5 \\ - \quad 3 \quad 7 \quad 7 \\ \hline \boxed{3} \quad 5 \quad 8 \end{array}$$

#### Section 4

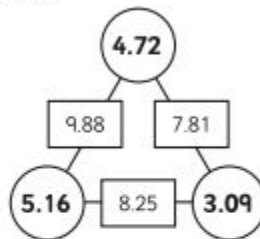
Order the following fractions from smallest to largest:

$$\frac{3}{4} \quad \frac{11}{12} \quad \frac{7}{8} \quad \frac{13}{16}$$

$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$	$\frac{11}{12}$
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#### Section 5

Place three of the following numbers in the circles so the number in the square is the total of the numbers in the adjacent circles: 6.23, 4.72, 3.09, 7.26, 5.16, 2.69



#### Section 6

1 inch = 2.54 cm

1 foot = 12 inches

How many centimetres in 1 foot?

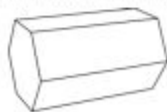
**30.48cm**

#### Section 7

Write the name of these shapes:



tetrahedron/triangular based pyramid



hexagonal prism

#### Section 8

Children measure the temperature in the playground on each hour.

Time	Temperature
9am	-1
10am	2
11am	5
12pm	7
1pm	8

When is the highest temperature?

**1pm**

How much does the temperature rise between 9am and 12pm?

**$8^{\circ}\text{C}$**