

# Maths

## Week commencing 30<sup>th</sup> March 2020

Please use this website <https://whiterosemaths.com/homelearning/year-5/>. Watch the video and complete the activities. If you find them tricky, have a go at the activities from Year 3 or Year 4 (as this should recap learning from last year) <https://whiterosemaths.com/homelearning/>. If you feel confident, challenge yourself with the daily extras for experts!

### Task 1:

#### Lesson 1 - Step 6 - Rounding decimals

**Flashback 4** Year 5 | Week 2 | Day 1

1) Write  $2\frac{18}{1000}$  as a decimal number **2.018**

2) What is the 6 worth in 3.62? **6 tenths**

3) Work out  $4 - \frac{2}{7}$

4) How many boys are there altogether?

|          | Boys | Girls |
|----------|------|-------|
| Running  | 86   | 141   |
| Sleeping | 57   | 71    |

04:35

#### Get the Activity

Lesson 1 - Y5 Spring Block 3 WO6 Rounding decimals 2019

#### Get the Answers

Y5 Spring Block 3 ANS6 Rounding decimals 2019

### Extra for experts...

## Rounding Decimals



Loki needs your help to answer these questions!

- 1) Round 0.24 to the nearest whole number
- 2) Round 9.54 to the nearest whole number
- 3) Round 8.95 to the nearest whole number
- 4) Round 4.08 to the nearest whole number
- 5) Round 9.98 to the nearest whole number



- 6) Round 4.13 to the nearest whole number
- 7) Round 2.62 to the nearest whole number
- 8) Round 8.73 to the nearest whole number
- 9) Round 0.54 to the nearest whole number
- 10) Round 9.46 to the nearest whole number



## Task 2:

### Lesson 2 - Step 7 - Order and compare decimals



#### Get the Activity

Lesson 2 - Y5 Spring Block 3 WO7 Order and compare decimals 2019

#### Get the Answers

Y5 Spring Block 3 ANS7 Order and compare decimals 2019

### Extra for experts...

## Ordering Decimals



Thor needs your help to answer these questions!

1) Sort the following numbers from highest to lowest:  
48.3 , 62.99 , 90.47

2) Sort the following numbers from highest to lowest:  
1.82 , 49.3 , 73.34

3) Sort the following numbers from lowest to highest:  
49.87 , 80.45 , 28.22



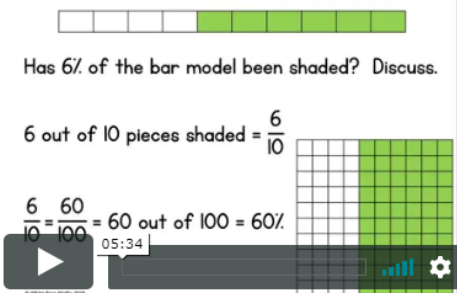
4) Sort the following numbers from lowest to highest:  
51.86 , 63.49 , 78.36

5) Sort the following numbers from highest to lowest:  
82.11 , 64.15 , 74.51



## Task 3:

### Lesson 3 - Step 8 - Understand percentages



Has 6% of the bar model been shaded? Discuss.

6 out of 10 pieces shaded =  $\frac{6}{10}$

$\frac{6}{10} = \frac{60}{100} = 60$  out of 100 = 60%

 **Get the Activity**

Lesson 3 - Y5 Spring Block 3 WO8 Understand percentages 2019

 **Get the Answers**

Y5 Spring Block 3 ANS8 Understand percentages 2019

### Extra for experts...

## Percentages 1



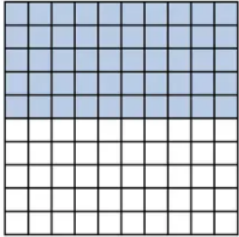
- 1) Loki has a collection of 168 books and wants to know what 75% of their collection is. Can you find the answer?
- 2) One group of fishermen has 744 cod fishes and another group has 50% of this amount. How many cod fishes does the second group have?
- 3) This week a soldier earned 975 bronze coins. Last week they earned 10% of this week's earnings. How much did the soldier earn last week?
- 4) This week a merchant earned 635 copper coins. Last week they earned 90% of this week's earnings. How much did the merchant earn last week?
- 5) Hel is selling a sceptre. They have an offer of 220 silver coins and a second offer of 30% of the first offer. How much was the second offer?
- 6) Freya has a collection of 792 apples and wants to know what 75% of their collection is. Can you find the answer?



## Task 4:

### Lesson 4 - Step 9 - Percentages as fractions and decimals

Percentages as fractions and decimals



06:26  $\frac{5}{100} = \frac{5}{100}$  or 0.5 as a decimal

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#### Get the Activity

Lesson 4 - Y5 Spring Block 3 WO9 Percentages as fractions and decimals 2019

#### Get the Answers

Y5 Spring Block 3 ANS9 Percentages as fractions and decimals 2019

### Extra for experts...

## Percentages 2



Thor needs your help to answer these questions!

- 1) Find 60% of 2720
- 2) Find 90% of 8000
- 3) Find 90% of 8380
- 4) Find 40% of 9620
- 5) Find 90% of 3220



- 6) Find 80% of 5380
- 7) Find 30% of 5040
- 8) Find 70% of 8360
- 9) Find 60% of 8900
- 10) Find 10% of 2000



## Task 5:

### Lesson 5 - Step 10 - Equivalent FDP

**Flashback 4** Year 5 | Week 2 | Day 5

- 1) Write "38 out of 100" as a percentage. **38%**
- 2) What is the 3 worth in 6103?
- 3) Work out  $4\frac{3}{5} - 3\frac{1}{2}$
- 4) What is the mathematical name for a triangle with two equal sides and two equal angles?

04:09

#### Get the Activity

Lesson 5 - Y5 Spring Block 3 WO10 Equivalent FDP 2019

#### Get the Answers

Y5 Spring Block 3 ANS10 Equivalent FDP 2019

### Extra for experts...

## Equivalent Fractions



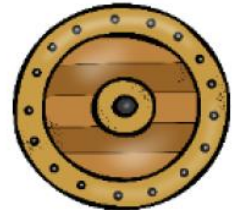
1) Freya thinks that  $\frac{4}{8}$  and  $\frac{16}{32}$  are the equivalent fractions. Are they?

2) Thor thinks that  $\frac{1}{2}$  and  $\frac{5}{10}$  are the equivalent fractions. Are they?

3) A blacksmith wants to write  $\frac{2}{6}$  another way. Show that  $\frac{2}{6}$  and  $\frac{1}{3}$  are the same

4) Loki wants to know if  $\frac{7}{8}$  and  $\frac{14}{16}$  are equivalent fractions. Can you find the answer?

5) A potter wants to know if  $\frac{1}{2}$  and  $\frac{4}{8}$  are equivalent fractions. Can you find the answer?



**Answers:**

## **Answers - Rounding Decimals**



- 1) 0
- 2) 10
- 3) 9
- 4) 4
- 5) 10
- 6) 4
- 7) 3
- 8) 9
- 9) 1
- 10) 9

## **Answers - Ordering Decimals**



- 1) 90.47, 62.99, 48.3
- 2) 73.34, 49.3, 1.82
- 3) 28.22, 49.87, 80.45
- 4) 51.86, 63.49, 78.36
- 5) 82.11, 74.51, 64.15

# Answers - Percentages 1



- 1) 126
- 2) 372
- 3) 97
- 4) 571
- 5) 66
- 6) 594

# Answers - Percentages 2



- 1) 1632
- 2) 7200
- 3) 7542
- 4) 3848
- 5) 2898
- 6) 4304
- 7) 1512
- 8) 5852
- 9) 5340
- 10) 200

# Answers - Equivalent Fractions



- 1) Yes, multiple by 4
- 2) Yes, multiple by 5
- 3) Yes, divide by 0.5
- 4) Yes, multiple by 2
- 5) Yes, multiple by 4