# Year 5 Maths Distance Teaching and Learning

Week beginning: 18th May 2020

| Lesson 5 | | |
|---|---|---|
| Learning Intention:<br>WALT: apply previously learnt skills in all areas of Maths | Key Vocabulary:<br>add subtract fraction 2D 3D sides vertices area perimeter denominator numerator digit value | What you will need:<br>Paper<br>Pencil<br>Ruler<br>Ipad/Laptop/internet access<br>Year 5 Week 5 video 5 |

## Starter

Please use Timestable Rockstars and do a Studio game for at least one minute.

If a GIG is available then do it. Remember that the GIG is only available once you have completed enough games (or when you first ever log in) and your score and speed has improved enough.

Here is the website link. If you are viewing this online you should be able to click on the link or copy and paste to the website.

https://play.ttrockstars.com/auth/school/student/84789

Your login is the first 3 letters of you first name and the first 3 letters of your surname e.g. Jack Smith would have the login jacsmi

The password is Welcome1 -This is case sensitive (you need to use a capital W)

You might like to record your scores.

## Main Teaching

Today's is a revision lesson. We will recap these skills:

- 24 hour clock times
- Common multiples
- adding and subtracting fractions

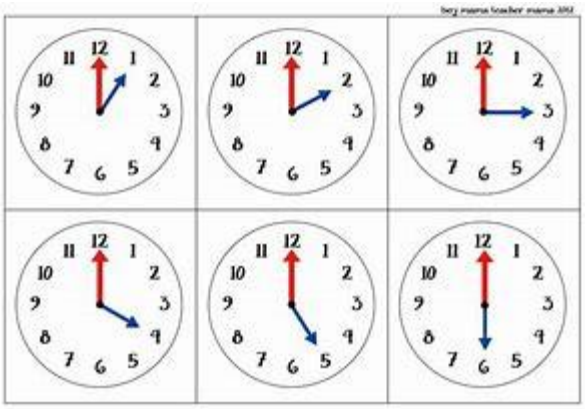
24 hour clock times

The **12-hour clock** runs from 1am to 12 noon and then from 1pm to 12 midnight.
The **24-hour clock** uses the numbers 00:00 to 23:59 (midnight is 00:00).

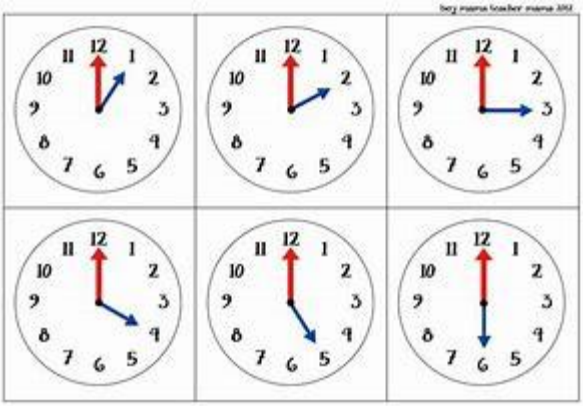
| 12-hour clock | 24-hour clock |
|---|---|
| 1am | 01.00 |
| 2am | 02.00 |
| 3am | 03.00 |

| | |
|---|---|
| **4am** | **04.00** |
| **5am** | **05.00** |
| **6am** | **06.00** |
| **7am** | **07.00** |
| **8am** | **08.00** |
| **9am** | **09.00** |
| **10am** | **10.00** |
| **11am** | **11.00** |
| **12 noon** | **12.00** |
| **1pm** | **13.00** |
| **2pm** | **14.00** |
| **3pm** | **15.00** |
| **4pm** | **16.00** |
| **5pm** | **17.00** |
| **6pm** | **18.00** |
| **7pm** | **19.00** |
| **8pm** | **20.00** |
| **9pm** | **21.00** |
| **10pm** | **22.00** |
| **11pm** | **23.00** |
| **12 midnight** | **24.00** |

Morning times on a 24-hour clock



Afternoon times on a 24-hour



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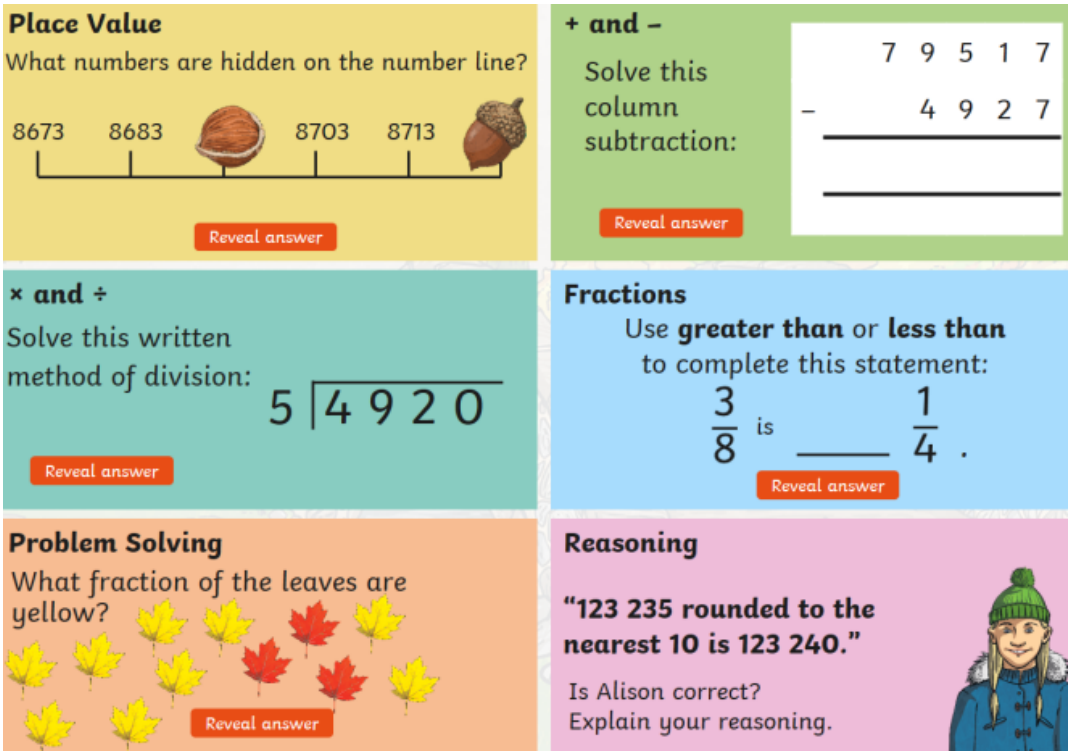
| Independent Tasks |
|---|
| Challenge 1 |
| Please complete all of the place value and + and – questions on each slide (slides are under Challenge X) |
| Challenge 2 |

| |
|---|
| Please complete all of the place value and + and – questions on each slide, x and ÷, and fractions questions on each slide (Slides are under Challenge X) |
| Challenge 3 |
| Complete all of the questions on every slide including the reasoning and problem solving (Slides are under challenge X) |
| Challenge X |
| Which question did you think was the hardest? How did you solve it?<br>Could you come up with a similar question to it? |

A




B

**Place Value**

Put these numbers in order from smallest to greatest:

787 877, 788 787, 787 787, 788 778

Reveal answer

**+ and –**

Solve this column addition:

| | | | | | |
|---|---|---|---|---|---|
| | 7 | 4 | 5 | 4 | 3 |
| + | | 4 | 4 | 4 | 7 |
| | | | | | |
| | | | | | |

Reveal answer

**× and ÷**

Solve this written method of multiplication:

| | | | | |
|---|---|---|---|---|
| | 7 | 5 | 5 | 9 |
| × | | | | 8 |
| | | | | |
| | | | | |

Reveal answer

**Fractions**

Add together these fractions: $\frac{5}{12} + \frac{1}{12}$

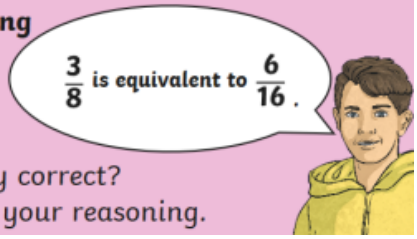
Reveal answer

**Problem Solving**

What is this afternoon time on a 24-hour digital clock?

Reveal answer

**Reasoning**




Is Henry correct?
Explain your reasoning.

C

**Place Value**

Reveal answer

Write four hundred and thirteen thousand and forty-seven in numerals.

**+ and –**

Reveal answer

37 091 + 1100 =

Reveal answer

39 800 - 900 =

**× and ÷**

Reveal answer

Use a written method to solve this calculation:

8872 × 8 =

**Fractions**

Reveal answer

What number is hidden in these equivalent fractions?

$\frac{1}{4} = \frac{\bigcirc}{28}$

**Problem Solving**

Reveal answer

Write the first three common multiples of 3 and 8:

**Reasoning**


**Is Jamil correct?**
**Explain your reasoning.**

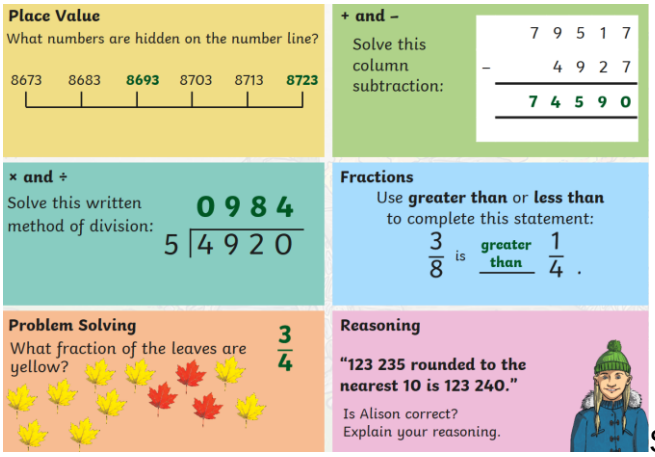
Review

Which type of question were you finding the trickiest? Can you do some research on line to help you improve on it? Perhaps tell an adult and see if they can help you better understand it.

Mark Scheme – Lesson 1

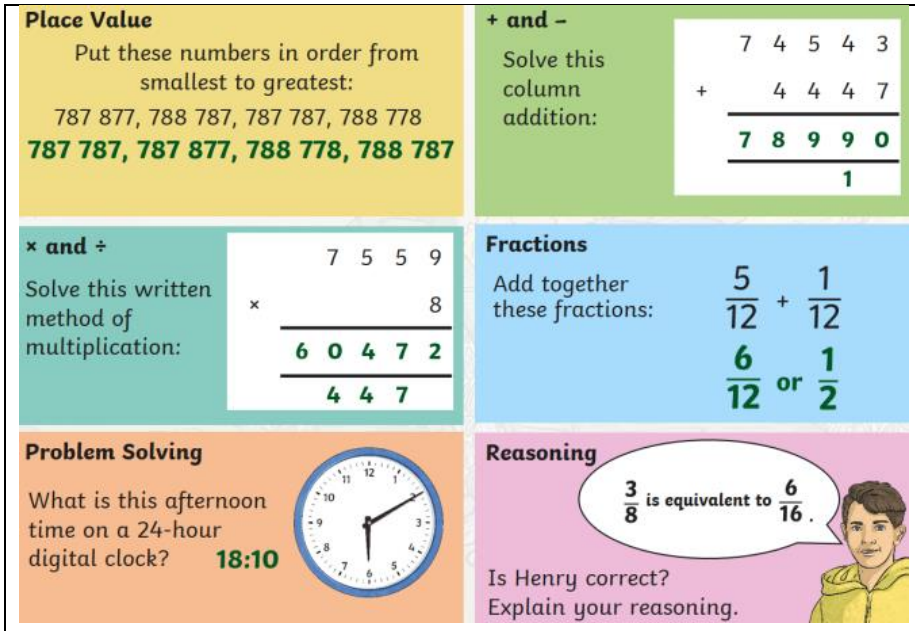
| Independent Tasks |
|---|
| Challenge 1 |
| See below Challenge X |
| Challenge 2 |
| See below Challenge X |
| Challenge 3 |
| See below Challenge X |
| Challenge X |
| See below Challenge X |

A



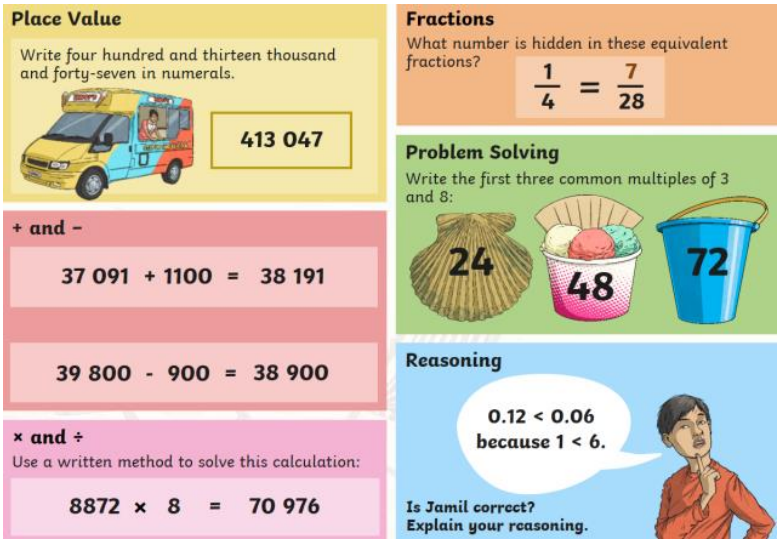

She is correct as the digit after the tens digit is a 5 so you round the tens digit up to 4.

B




He is correct because the numerator and denominator in the first fraction can both be multiplied by 2 to make the other fraction so they are the equivalent of each other.

C




He is incorrect. 0.12 is the same as 12 hundredths whereas 0.06 is the same as 6 hundredths. 12 hundredths is more than 6 hundredths so 0.12 is greater than 0.06. He should have written 0.12 > 0.06

Review

Which type of question were you finding the trickiest? Can you do some research on line to help you improve on it?

Personal answers. Perhaps tell an adult in your house.