

Maths

Activity 1 – Watch the video and answer the questions below on adding mixed numbers.

Activity 2 – Look back at the maths skills you have learnt over the past few weeks and make a poster, flyer or leaflet to help you remember the methods. We have learnt: ordering and comparing fractions, adding fractions with the same and different denominators, adding fractions that equal more than one and adding mixed number.

Maths Skills Practise:

Arithmetic

| Monday | Tuesday | Wednesday | Thursday | Friday |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| $23.34 + 17.22$ | $34.23 + 47.89$ | $82.21 + 54.01$ | $79.57 + 11.91$ | $42.39 + 32.45$ |
| $89.23 - 14.28$ | $71.23 - 54.32$ | $32.12 - 14.82$ | $45.95 - 21.51$ | $67.81 - 23.28$ |
| 97×25 | 79×46 | 56×78 | 54×59 | 95×27 |
| $681 \div 4$ | $736 \div 6$ | $829 \div 5$ | $863 \div 6$ | $829 \div 8$ |
| $3/10$ of 60 | $2/10$ of 310 | $2/3$ of 186 | $5/8$ of 408 | $7/10$ of 420 |

Reasoning & Problem Solving

Try any of the challenges on this website:

<http://www.iseemaths.com/lessons56/>

Challenge:

Can you sort out the four clues that help and the four clues that do not help in finding the number I am thinking of?

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |
| 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 |
| 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 |
| 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 |
| 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 |
| 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 |
| 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 |

Four of the clues below are true but do nothing to help in finding the number. Four of the clues are necessary for finding it.

Here are eight clues to use:

1. The number is greater than 9.
2. The number is not a multiple of 10.
3. The number is a multiple of 7.
4. The number is odd.
5. The number is not a multiple of 11.
6. The number is less than 200.
7. Its ones digit is larger than its tens digit.
8. Its tens digit is odd.

What is the number?

Activity 1: Adding Mixed Numbers

1.

Add these mixed numbers

$$3\frac{1}{7} + 2\frac{3}{7} =$$

$$2\frac{1}{5} + 1\frac{3}{5} =$$

2.

$$1\frac{1}{3} + 2\frac{1}{6} = 3 + \frac{3}{6} = 3\frac{3}{6} \text{ or } 3\frac{1}{2}$$

Add the fractions by adding the whole first and then the fractions. Give your answer in its simplest form.

$$1 + 2 = 3$$

$$\frac{1}{3} + \frac{1}{6} = \frac{2}{6} + \frac{1}{6} = \frac{3}{6}$$

$$3\frac{1}{4} + 2\frac{3}{8}$$

$$4\frac{1}{9} + 3\frac{2}{3}$$

$$2\frac{5}{12} + 2\frac{1}{3}$$

3.

Jack and Whitney have some juice.

Jack drinks $2\frac{1}{4}$ litres and Whitney drinks $2\frac{5}{12}$ litres.

How much do they drink altogether?

Challenge

Fill in the missing numbers.

$$4\frac{5}{6} + \boxed{}\frac{\boxed{}}{\boxed{}} = 10\frac{1}{3}$$