1) Complete these mixed number calculations by filling in the missing digits.



- a
- $3 \frac{2}{3}$
- 6
- $5 \quad \frac{1}{3}$
- 3 --
- 2
 - 2 ___ =
- $6 \frac{1}{8}$
- c

- b
- $\frac{2}{7}$
- 3
- <u>6</u> =
- $9 \frac{5}{7}$
- $\frac{1}{9}$
 - . _
- 4 =
 - $= 1 \frac{4}{9}$
- d

2) A school is having a cake sale. The table below shows how many pieces each cake was cut into.



Chocolate



Carrot



Sponge



Walnut

1 15

Each slice is a fraction of the original cake.

- a) Year 5 bought 3 pieces of chocolate cake, 2 pieces of carrot cake and 15 pieces of sponge cake. How much cake did year 5 buy altogether?

- b) Year 6 bought 8 pieces of chocolate cake, 6 pieces of carrot cake and 16 pieces of walnut cake. How much cake did year 6 buy altogether?

1) Look at this mixed number calculation



$$5\frac{2}{8}-2\frac{3}{4}$$

Amelia states:

"It is not possible to complete this subtraction as the fraction $\frac{3}{4}$, which is after the minus sign, is greater than the fraction $\frac{2}{8}$, which is before the minus sign. You can't take away a larger fraction from a smaller fraction."

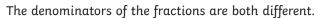
Can you explain to Amelia why she is wrong and how she might complete this calculation correctly?

2) In this group of calculations, which is the odd one out and why?

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

$$\frac{5}{4} + \frac{7}{8} = \boxed{}$$
 or $\boxed{}$

1) I added two mixed numbers together.



Give five possible calculations.



?

?

?

?

$$= 3\frac{2}{3}$$

2) Give five possible calculations for this subtraction, remembering that the denominators of the fractions are both different:

7

?

?

?

6 - 4

3) You may use each of the digits only once. Arrange them to complete this mixed number calculation so the answer is between 4 and 6.

5

2

6

1

4

3

7

?

?

?