

Year 5 maths activity 1 answers

1. 11 parts should be shaded in – this is the same as whole circle and 2 parts in the second circle so the mixed number is: $1 \frac{2}{9}$

2. A. mixed number is $2 \frac{5}{6}$. This is because two whole circles are coloured in and then 5 out of the 6 parts in the third circle.

Improper fraction is $\frac{17}{6}$. This is because each circle is split into 6 equal parts and 17 are coloured in altogether.

B. mixed number is $1 \frac{4}{7}$. This is because one whole circle is coloured in and then 4 out of the 7 parts in the second circle.

Improper fraction is $\frac{11}{7}$. This is because each circle is split into 7 equal parts and 11 are coloured in altogether.

3. $B = \frac{24}{9}$

4. Tara is correct because 2 is the same as $\frac{16}{8}$. Then $\frac{16}{8} + \frac{5}{8} = \frac{21}{8}$. A trick to this is multiply the whole number by the denominator (bottom part of the fraction) and then add the numerator (top part of the fraction). So 2×8 (16) and then add 5 (21).

5. A. $\frac{24}{9}$ is the same as $2 \frac{6}{9}$. This is because when 24 parts are coloured in this is the same as 2 whole circles and then 6 out of the 9 equal parts in the third circle.

B. $\frac{17}{6}$ is the same as $2 \frac{5}{6}$. This is because when 17 parts are coloured in this is the same as 2 whole circles and then 5 out of the 6 equal parts in the third circle.

6. C is incorrect because $3 \frac{1}{2}$ is the same as $\frac{7}{2}$ because 7 halves are coloured in.

Challenge

4a $5 \frac{2}{6} = \frac{32}{6}$

4b $4 \frac{4}{5} = \frac{24}{5}$