

Year 5 maths activity 2 answers

1. 2 ($5/5$ is the same as 1 so $1 + 1 = 2$)
2. $2 \frac{6}{9}$
3. $2 \frac{3}{6}$ or $2 \frac{1}{2}$. The sequence is going up by $1/6$ but remember $2/6$ is the same as $1/3$ and $4/6$ is the same as $2/3$.
4. 3 and $4/10$ or $3 \frac{2}{5}$. The sequence is going down by $4/10$. $3 \frac{4}{5}$ is the same as $3 \frac{8}{10}$. $3 \frac{8}{10}$ take away $4/10$ gives you the answer.
5. Box A shows $4 \frac{3}{7}$
6. Box A shows $1 \frac{4}{10}$
7. $2 \frac{5}{8}$, $2 \frac{6}{8}$, $2 \frac{7}{8}$, 3 , $3 \frac{1}{8}$, $3 \frac{2}{8}$
8. Convert all the fractions into twelfths:

$$3 \frac{1}{2} = 3 \frac{6}{12} \text{ (multiply both parts of fraction by 6 as } 2 \times 6 \text{ equals } 12)$$

$$3 \frac{1}{6} = 3 \frac{2}{12} \text{ (multiply both parts of fraction by 2 as } 6 \times 2 \text{ equals } 12)$$

$$3 \frac{1}{4} = 3 \frac{3}{12} \text{ (multiply both parts of fraction by 3 as } 4 \times 3 \text{ equals } 12)$$

Now we can order them easily:

$3 \frac{1}{6}$ ($3 \frac{2}{12}$), $3 \frac{1}{4}$ ($3 \frac{3}{12}$), $3 \frac{4}{12}$, $3 \frac{5}{12}$, $3 \frac{1}{2}$ ($3 \frac{6}{12}$), $3 \frac{7}{12}$

Challenge

4a. $5 \frac{3}{6}$ is the mistake because the other numbers are decreasing by $\frac{2}{6}$.

5a. Lily is correct because the sequence is increasing by $\frac{1}{3}$.