

Day 3 Answers

Task 1	Task 2	Task 3	Task 4
<p>Developing Task</p> <p>Answers</p> <p>1. $\frac{2}{6} + \frac{2}{6} = \frac{4}{6}$</p> <p>2. $\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$</p> <p>3. $\frac{1}{6} + \frac{5}{6} = 1$ or 1 whole</p> <p>4. $\frac{3}{6} + \frac{3}{6} = 1$ or 1 whole</p> <p>5. $\frac{1}{8} + \frac{7}{8} = 1$</p> <p>6. $\frac{3}{8} + \frac{4}{8} = \frac{7}{8}$</p> <p>7. $\frac{5}{8} + \frac{3}{8} = 1$ or 1 whole</p> <p>8. $\frac{6}{8} + \frac{1}{8} = \frac{7}{8}$</p> <p>9. $\frac{1}{4} + \frac{3}{4} = 1$ or 1 whole</p> <p>10. $\frac{3}{4} + \frac{2}{4} = 1\frac{1}{4}$</p> <p>11. $\frac{3}{4} + \frac{3}{4} = 1\frac{2}{4}$ or $1\frac{1}{2}$</p> <p>Practice</p> <p>Write which fraction is the odd one out.</p> <p>1. $\frac{2}{4}$, $\frac{8}{16}$, $\frac{3}{5}$, $\frac{4}{8}$</p> <p>2. $\frac{3}{6}$, $\frac{1}{3}$, $\frac{3}{9}$, $\frac{4}{12}$</p> <p>3. $\frac{1}{5}$, $\frac{2}{7}$, $\frac{2}{10}$, $\frac{4}{20}$</p> <p>4. $\frac{3}{4}$, $\frac{9}{12}$, $\frac{30}{40}$, $\frac{12}{15}$</p> <p>Simplify these fractions:</p> <p>5. $\frac{6}{12} = \frac{1}{2}$</p> <p>6. $\frac{10}{40} = \frac{1}{4}$</p> <p>7. $\frac{6}{10} = \frac{3}{5}$</p> <p>8. $\frac{10}{100} = \frac{1}{10}$</p>	<p>Arithmetic</p> <p>22. 3.5 [1]</p> <p>23. $\frac{1}{16}$ [1]</p> <p>24. For 2 marks: 96 454 [2] For 1 mark: $\begin{array}{r} 3326 \\ \times 29 \\ \hline 29934 \\ 66520 \\ \hline 96454 \end{array}$ An error in one row, then added correctly, or an error in the addition</p> <p>25. For 2 marks: 235 [2] For 1 mark: Evidence of either a long division method or short division method with only one error (carry figures must be seen in a short division method)</p> <p>26. 13 [1]</p> <p>27. $1\frac{6}{8}$ or $1\frac{3}{4}$ [1]</p> <p>28. $\frac{17}{20}$ or equivalent [1]</p>	<p>Problem Solving</p> <p>Task 1 Award TWO marks for three boxes ticked correctly, as shown:</p> <p>$\frac{1}{2}$ <input checked="" type="checkbox"/></p> <p>$\frac{2}{8}$ <input checked="" type="checkbox"/></p> <p>$\frac{3}{4}$ <input type="checkbox"/></p> <p>$\frac{7}{16}$ <input checked="" type="checkbox"/></p> <p>$\frac{24}{32}$ <input type="checkbox"/></p> <p>Task 2 Award TWO marks for the correct answer of £1.85 If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g.</p> <ul style="list-style-type: none"> $1\frac{1}{2} \times £1.50 = £2.25$ $\frac{1}{2}$ of £1.80 = 70p (error) £2.25 + 70p = £2.95 £5 - £2.95 = <p>OR</p> <ul style="list-style-type: none"> £1.50 + 75 = £2.25 £2.25 + 90 = 415p (error) £5.00 - 415p = <p>Task 3 Both values correct, as shown:</p> <p>$\frac{3}{4} = \frac{9}{12} = \frac{18}{24}$</p>	<p>Reasoning</p> <p>Task 1</p> <p>$\frac{5}{9} + \frac{1}{9} = \frac{6}{9} = \frac{2}{3}$</p> <p>$\frac{5}{9} + \frac{3}{9} = \frac{8}{9}$</p> <p>$\frac{5}{9} + \frac{7}{9} = 1\frac{3}{9} = 1\frac{1}{3}$</p> <p>$\frac{8}{9}$ does not need simplifying because the HCF of 8 and 9 is 1</p> <p>Task 2</p> <p>Tommy has divided the whole number by 4 instead of just simplifying $\frac{12}{16}$ by dividing the numerator and denominator by 4</p> <p>Task 3</p> <p>Simplifies to $\frac{1}{2}$ - $\frac{2}{4}, \frac{8}{16}, \frac{5}{10}, \frac{6}{12}$</p> <p>Simplifies to $\frac{1}{3}$ - $\frac{5}{15}, \frac{3}{9}$</p> <p>Simplifies to $\frac{1}{4}$ - $\frac{4}{16}, \frac{2}{8}$</p> <p>When a fraction is equivalent to a half, the numerator is half the denominator. Children could also discuss the denominator being double the numerator. Repeat for $\frac{1}{3}$ and $\frac{1}{4}$</p>

Day 3 Answers

Task 4

Award **TWO** marks for the correct answer of 1,408

OR

for an answer in the range of 1,406 to 1,409 inclusive.

If the answer is incorrect, award **ONE** mark for:

- sight of 1,392

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