

TT Rockstars



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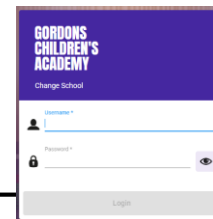
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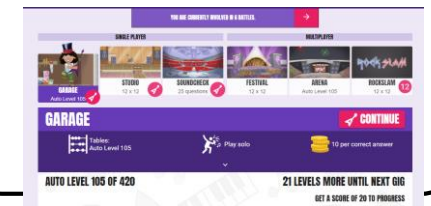
STUDENT



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Maths Task Five

LO – I can add mixed fractions

Practice adding proper fractions:

1) $\frac{4}{5} + \frac{12}{15} =$

2) $\frac{5}{14} + \frac{2}{7} =$

3) $\frac{6}{9} + \frac{1}{3} =$

4) $\frac{3}{4} + \frac{7}{8} =$

Arithmetic:

1. $100 + 485 =$

2. $6,547 - 2,547 =$

3. $\frac{1}{2} + \frac{3}{8} =$

4. $22 \times 753 =$

5. $144 \div \underline{\hspace{2cm}} = 12$

6. $10,000 - 5,000 = \underline{\hspace{2cm}} + 2,000$

7. The numbers in this sequence decrease by the same amount each time.

Complete the sequence.

64,290 63,390 62,490

Extension:

Hassan and Amy have the same amount of juice in a carton.

Hassan drinks $\frac{3}{4}$ of his juice.

Amy drinks $\frac{5}{6}$ of her juice.

Who has the most juice left?

You must show your working.

Arithmetic:

1. $1000 + 485 = 1485$

2. $6,547 - 2,547 = 4,000$

3. $\frac{1}{2} + \frac{3}{8} = \frac{7}{8}$

4. $22 \times 753 = 16,566$

5. $144 \div 12 = 12$

6. $10,000 - 5,000 = 3,000 + 2,000$

7. The numbers in this sequence decrease by the same amount each time.

Complete the sequence.

64,290 63,390 62,490 61,590

Extension:

Hassan and Amy have the same amount of juice in a carton.

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You must show your working.

Hassan

Method:

Example:

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

Convert them to improper fractions.

$$2\frac{3}{4} = 2 \times 4 = 8 + 3 = 11 = \frac{11}{4}$$

$$3\frac{1}{2} = 3 \times 2 = 6 + 1 = 7 = \frac{7}{2}$$

Convert the fractions by finding the common denominator.

Common denominator is : 4

$$\frac{11}{4} = \text{stays the same}$$

$$\frac{7}{2} = \frac{14}{4}$$

Add the improper fractions.

$$\frac{11}{4} + \frac{14}{4} = \frac{25}{4}$$

Convert back to mixed fractions.

$$\frac{25}{4} = 25 \div 4 = 5 \text{ R } 5 = 5\frac{5}{4}$$

Watch this video to learn how to add mixed fractions.

<https://www.youtube.com/watch?v=LwzoDS5TRdM>





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

2. $3\frac{5}{6} + 2\frac{1}{6} =$

3. $1\frac{2}{20} + 4\frac{13}{20} =$

4. $3\frac{6}{12} + 5\frac{4}{12} =$

5. $1\frac{1}{12} + 5\frac{10}{12} =$

6. $5\frac{3}{5} + 2\frac{1}{5} =$



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

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

3. $1\frac{2}{5} + 4\frac{1}{15} =$

4. $3\frac{6}{8} + 5\frac{1}{4} =$

5. $1\frac{3}{4} + 5\frac{1}{12} =$

6. $5\frac{4}{5} + 2\frac{2}{20} =$



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

2. $4\frac{3}{4} + 5\frac{2}{10} =$

3. $1\frac{2}{14} + 6\frac{3}{7} =$

4. $3\frac{6}{16} + 1\frac{1}{4} =$

5. $5\frac{2}{7} + 3\frac{1}{21} =$

6. $8\frac{7}{15} + 2\frac{1}{5} =$



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

2. $3\frac{5}{6} + 2\frac{1}{6} = 5\frac{6}{6} = 6$

3. $1\frac{2}{20} + 4\frac{13}{20} = 5\frac{15}{20}$

4. $3\frac{6}{12} + 5\frac{4}{12} = 8\frac{10}{12}$

5. $1\frac{1}{12} + 5\frac{10}{12} = 6\frac{11}{12}$

6. $5\frac{3}{5} + 2\frac{1}{5} = 7\frac{4}{5}$



1. $1\frac{2}{3} + 3\frac{1}{6} = 4\frac{5}{6}$

2. $3\frac{1}{2} + 2\frac{1}{6} = 5\frac{4}{6}$

3. $1\frac{2}{5} + 4\frac{1}{15} = 5\frac{7}{15}$

4. $3\frac{6}{8} + 5\frac{1}{4} = 8\frac{8}{8} = 9$

5. $1\frac{3}{4} + 5\frac{1}{12} = 6\frac{10}{12}$

6. $5\frac{4}{5} + 2\frac{2}{20} = 7\frac{18}{20}$



1. $2\frac{1}{3} + 1\frac{1}{5} = 3\frac{8}{15}$

2. $4\frac{3}{4} + 5\frac{2}{10} = 9\frac{38}{40}$

3. $1\frac{2}{14} + 6\frac{3}{7} = 7\frac{8}{14}$

4. $3\frac{6}{16} + 1\frac{1}{4} = 4\frac{10}{16}$

5. $5\frac{2}{7} + 3\frac{1}{21} = 8\frac{7}{21}$

6. $8\frac{7}{15} + 2\frac{1}{5} = 10\frac{10}{15}$

Reasoning

Hannah has made a mistake in her working out.

$$1\frac{2}{3} + \frac{7}{6} = \frac{12}{3} + \frac{7}{6} = \frac{24}{6} + \frac{7}{6} = \frac{31}{6} = 5\frac{1}{6}$$

Explain her mistake.

Show the correct working out.

Reasoning

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$$1\frac{2}{3} + \frac{7}{6} = \frac{12}{3} + \frac{7}{6} = \frac{24}{6} + \frac{7}{6} = \frac{31}{6} = 5\frac{1}{6}$$

Explain her mistake.

Show the correct working out.

Hannah has not understood how to change a mixed number into an improper fraction.

$1\frac{2}{3}$ is equivalent to $\frac{5}{3}$, not $\frac{12}{3}$.

Problem Solving

Use these digit cards to complete the calculation. You can only use each card once.

1

4

6

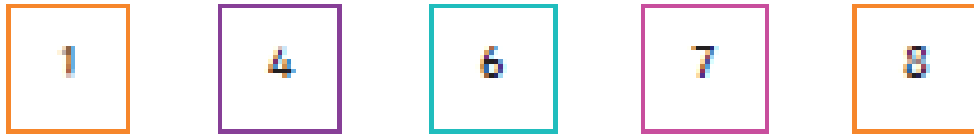
7

8

$$\begin{array}{|c|} \hline \square \\ \hline \square \\ \hline \end{array} + \begin{array}{|c|} \hline \square \\ \hline \square \\ \hline \end{array} = 8$$

Answer: Problem Solving

Use these digit cards to complete the calculation. You can only use each card once.



$$\square \frac{\square}{\square} + \frac{\square}{\square} = 8$$

$$7\frac{1}{4} + \frac{6}{8} = 8 \text{ or } 7\frac{6}{8} + \frac{1}{4} = 8$$

Chilli Challenge

Measuring Rainfall

Harry was using a rain gauge to measure the rainfall over the weekend.

On Saturday his rain gauge collected $2\frac{1}{2}$ cups, and on Sunday it collected $1\frac{3}{4}$ cups.

Can you work out how much rain fell altogether over the weekend?



The next weekend, his rain gauge collected $1\frac{1}{2}$ cups on Saturday and $2\frac{1}{4}$ cups on Sunday. Can you work out which weekend was the wettest?

Chilli Challenge -Answers

Measuring Rainfall

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On Saturday his rain gauge collected $2\frac{1}{2}$ cups, and on Sunday it collected $1\frac{3}{4}$ cups.

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4 and $\frac{1}{4}$, 3 and $\frac{3}{4}$, FIRST weekend was wettest

The next weekend, his rain gauge collected $1\frac{1}{2}$ cups on Saturday and $2\frac{1}{4}$ cups on Sunday. Can you work out which weekend was the wettest?