

TT Rockstars



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TTRockstars

<https://play.ttrockstars.com/>



Press

LOGIN

Press

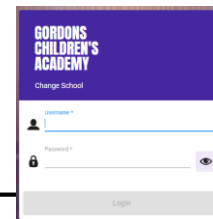
SCHOOL

Press

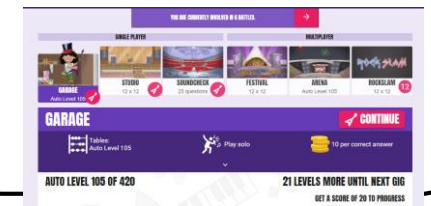
STUDENT



Search for Gordons
Children's Academy;



Type in your user name and
password and play!



Become the best Rock Star!



Feedback Forward



Fantastic work!
Working out is important, just in case you make a mistake you can go back and check what mistakes you have made!
Alongside with marking your work!

Well Done!

Handwritten student work on a math worksheet. At the top, there are three addition and subtraction problems:

$$\begin{array}{r} 120,821 \\ + 576,357 \\ \hline 997,178 \end{array}$$

$$\begin{array}{r} 324,543 \\ + 634,356 \\ \hline 958,899 \end{array}$$

$$\begin{array}{r} 987,123 \\ - 958,844 \\ \hline 28,279 \end{array}$$

Below these are two more problems:

$$\begin{array}{r} 62,500 \\ + 52,000 \\ \hline 114,500 \end{array}$$

$$\begin{array}{r} 82,500 \\ + 45,000 \\ \hline 127,500 \end{array}$$

The worksheet contains several tables and questions:

7a. True or false?

Song	Only Me	Hotel Illinois	Stand by You	Angel Woman
Minutes played over a week	1,530	1,890	1,470	2,460

Only Me played for 1 hour longer than Stand By You. **True** ✓

7b. True or false?

Song	Hey Jed	Day Fever	Man Cherie	Plum Drizzle
Hours played over a week	53.5	71	17.5	51

Plum Drizzle was played for 150 minutes less than Hey Jed. **True** ✓

8a. Look at the table below.

Video	Crazy Cats	Wild Weather	Biggest Burgers	Skating Tricks
MeTube Views	120,821	634,356	876,357	324,543

How many more views did Crazy Cats and Biggest Burgers receive compared with Wild Weather and Skating Tricks? **38,279** ✓

8b. Look at the table below.

Page	Mad for Dogs	Jim the Spider	Shark Attacks	iBoy
MeTube Views	431,678	789,213	123,128	567,231

How many fewer followers did Jim the Spider and Shark Attacks receive compared with Mad for Dogs and iBoy? **86,568** ✓

9a. How far in kilometres did Cloud Stream and Metro Air travel in total?

Plane	Metro Air	Flight Bus	Sky Jet	Cloud Stream
Distance travelled (m)	52,000	148,000	345,000	62,500

119,500m ✓

9b. How far in metres did the Cheelah and Kanga travel?

Car	Cheelah	Tornado	Two Track	Kanga
Distance travelled (km)	45	109	37	82.5

127,500m ✓

Additional calculations at the bottom of the page:

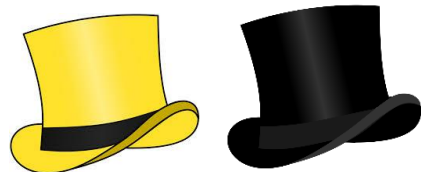
$$\begin{array}{r} 789,213 \\ + 723,728 \\ \hline 998,809 \end{array}$$

$$\begin{array}{r} 567,231 \\ + 431,678 \\ \hline 998,909 \end{array}$$

$$\begin{array}{r} 998,809 \\ - 912,341 \\ \hline 86,568 \end{array}$$

A red stamp with a flame icon says "LEVEL HOT".

Complete you working out in a separate piece of paper to make your work look neater!



Feedback Forward




This shows the thought gone through the question. We can see the working out and an explanation of why Holly is incorrect. It is very important to prove and explain why the person is correct or incorrect in reasoning questions.

Reasoning

6a. Holly records the number of vehicles crossing a bridge over three weeks.


	Week 1	Week 2	Week 3
Cars	139,866	144,565	122,522
Bikes	2,879	3,098	2,899
Lorries	32,144	26,876	34,223

174,889 174,539 159,644

 **Week 2 had the most traffic.**

Holly

Do you agree with Holly? Why?



Holly is incorrect because $139,866 + 2,879 + 32,144$ has a greater answer than $144,565 + 3,098 + 26,876$

Make sure you are correcting and self-assessing your work using your purple pens! Finish off the question with an accurate statement. "Holly is incorrect Week 1 has the most traffic".

Maths Task One

LO – I can convert mixed numbers into improper numbers

Types of Fractions

Proper Fraction:

$$\frac{7}{10}$$

Improper Fraction:

$$\frac{17}{10}$$

Mixed Fraction:

$$1\frac{7}{10}$$

Arithmetic:

1. $100 - \underline{\quad} = 30$

2. $\underline{\quad} = 4650 + 1000$

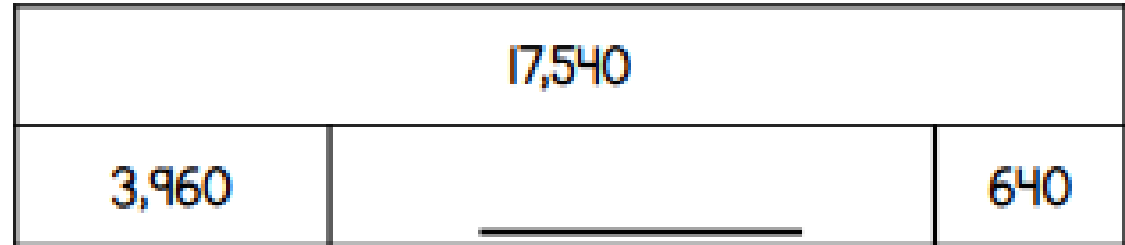
3. 4^2

4. $6 \times 8 = \underline{\quad} \times 4$

5. $172 \times 32 =$

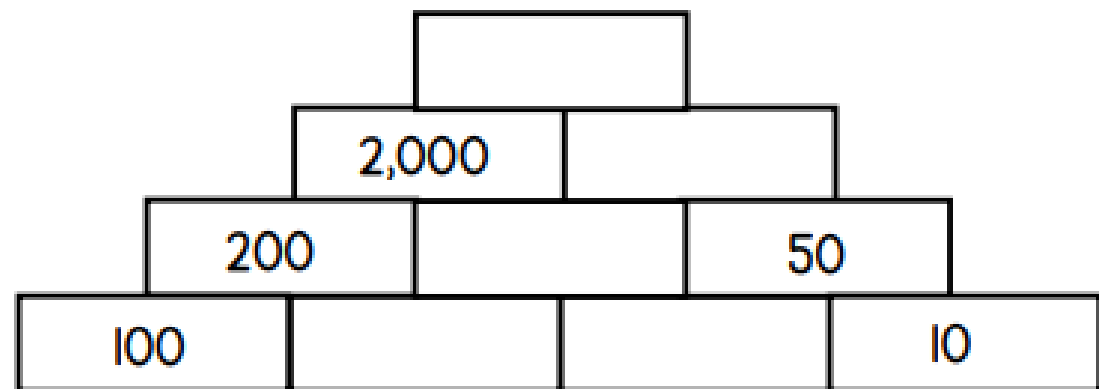
6. $852 \div 6 =$

7. Work out the missing number in the bar model?



Extension:

II Complete the multiplication pyramid.



Arithmetic:

1. $100 - 70 = 30$

2. $5650 = 4650 + 1000$

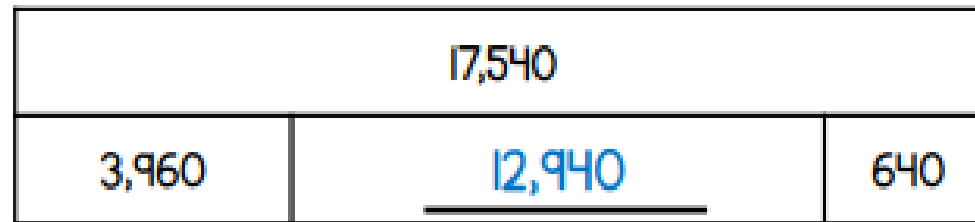
3. $4^2 = 16$

4. $6 \times 8 = 12 \times 4$

5. $172 \times 32 = 5504$

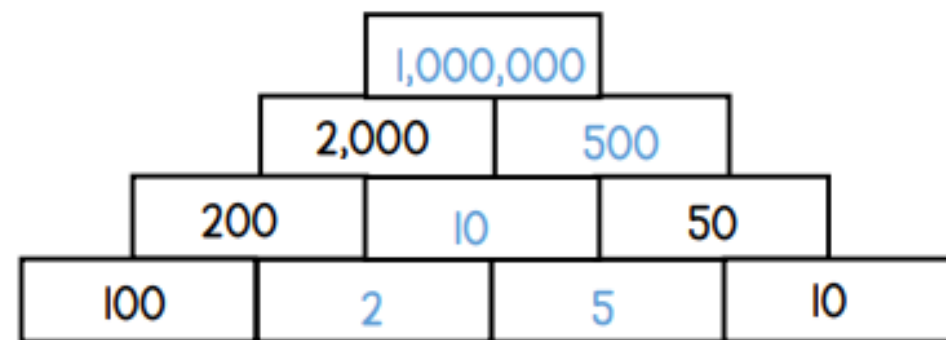
6. $852 \div 6 = 142$

7. Work out the missing number in the bar model?



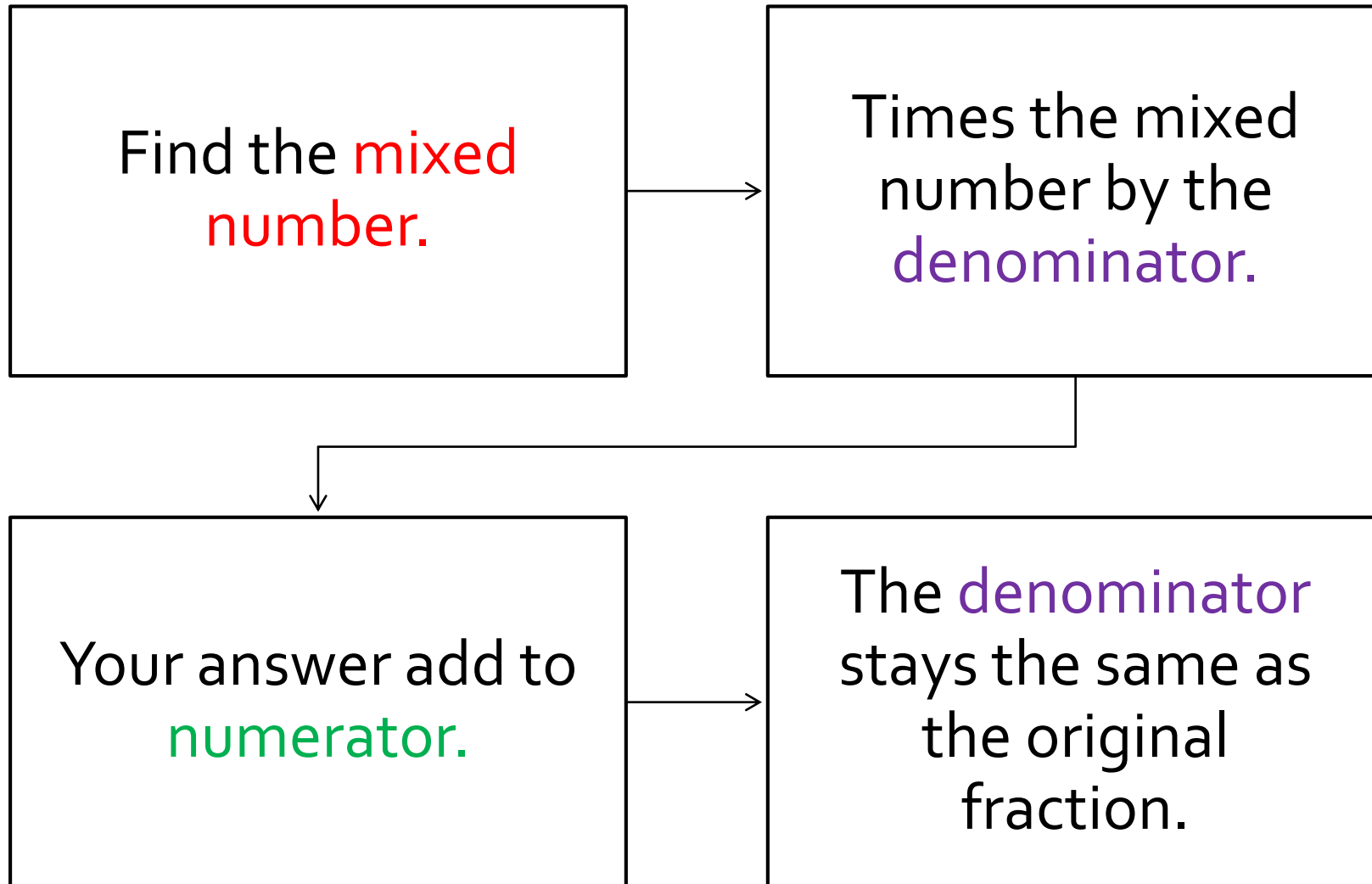
Extension:

II Complete the multiplication pyramid.



Award 1 mark for 3 correct numbers.

Method:



Example:

$$3\frac{5}{6} = \frac{23}{6}$$

$$3 \times 6 + 5 = 23$$

V
18 + 5

Watch this video to learn how to convert mixed numbers into improper numbers

<https://www.youtube.com/watch?v=TrutPJf9GmQ>





1. $1\frac{2}{3}$ is equivalent to
2. $1\frac{3}{4}$ is equivalent to
3. $1\frac{3}{5}$ is the same as
4. $1\frac{5}{6}$ is the same as
5. $1\frac{4}{7}$ is equivalent to
6. $1\frac{4}{9}$ is equivalent to
7. $1\frac{7}{10}$ is the same as



1. $3\frac{1}{2}$ is equivalent to
2. $2\frac{1}{3}$ is equivalent to
3. $3\frac{2}{5}$ is the same as
4. $2\frac{5}{6}$ is the same as
5. $4\frac{1}{4}$ is equivalent to
6. $5\frac{2}{5}$ is equivalent to
7. $6\frac{1}{3}$ is the same as



1. $8\frac{2}{8}$ is equivalent to
2. $5\frac{3}{9}$ is equivalent to
3. $3\frac{2}{7}$ is the same as
4. $6\frac{5}{8}$ is the same as
5. $4\frac{3}{7}$ is equivalent to
6. $5\frac{4}{12}$ is equivalent to
7. $6\frac{7}{8}$ is the same as



Answers:



1. $1\frac{2}{3}$ is equivalent to $\frac{5}{3}$

2. $1\frac{3}{4}$ is equivalent to $\frac{7}{4}$

3. $1\frac{3}{5}$ is the same as $\frac{8}{5}$

4. $1\frac{5}{6}$ is the same as $\frac{11}{6}$

5. $1\frac{4}{7}$ is equivalent to $\frac{11}{7}$

6. $1\frac{4}{9}$ is equivalent to $\frac{13}{9}$

7. $1\frac{7}{10}$ is the same as $\frac{17}{10}$

1. $3\frac{1}{2}$ is equivalent to $\frac{7}{2}$

2. $2\frac{1}{3}$ is equivalent to $\frac{7}{3}$

3. $3\frac{2}{5}$ is the same as $\frac{17}{5}$

4. $2\frac{5}{6}$ is the same as $\frac{17}{6}$

5. $4\frac{1}{4}$ is equivalent to $\frac{17}{4}$

6. $5\frac{2}{5}$ is equivalent to $\frac{27}{5}$

7. $6\frac{1}{3}$ is the same as $\frac{19}{3}$

1. $8\frac{2}{8}$ is equivalent to $\frac{66}{8}$

2. $5\frac{3}{9}$ is equivalent to $\frac{48}{9}$

3. $3\frac{2}{7}$ is the same as $\frac{23}{7}$

4. $6\frac{5}{8}$ is the same as $\frac{48}{8}$

5. $4\frac{3}{7}$ is equivalent to $\frac{31}{7}$

6. $5\frac{4}{12}$ is equivalent to $\frac{64}{12}$

7. $6\frac{7}{8}$ is the same as $\frac{55}{8}$

Reasoning

Raya says,



Raya

I think

$$4 \frac{8}{9} \text{ equals } \frac{44}{9} .$$

Is she correct? Explain your answer.

R

Reasoning

Raya says,



Raya

I think

$$4 \frac{8}{9} \text{ equals } \frac{44}{9}.$$

Is she correct? Explain your answer.

R

9. Raya is correct because she has multiplied the whole number with the denominator and then added the numerator to find the improper fraction.

Problem Solving

6a. Oscar has a mixed number.

A. It includes 3 wholes.

B. The denominator is 3×4

C. The numerator is a prime number between 5 and 10.

What could Oscar's fraction be when it is converted to an improper fraction?

Find one possibility.



PS

Answer:

$$6a. \frac{43}{12}$$

Problem Solving

6a. Oscar has a mixed number.

A. It includes 3 wholes.

B. The denominator is 3×4

C. The numerator is a prime number between 5 and 10.

What could Oscar's fraction be when it is converted to an improper fraction?

Find one possibility.



Chilli Challenge

Convert the mixed numbers to improper fractions:

$3 \frac{2}{7}$

$4 \frac{6}{11}$

$5 \frac{4}{8}$

$2 \frac{7}{9}$

$5 \frac{1}{3}$

$4 \frac{5}{6}$

Investigate how the improper fractions you have after converting the mixed numbers could be sorted into the Carroll diagram and complete the headings.

Chilli Challenge

Various answers, for example:

$3 \frac{2}{7}$

$4 \frac{6}{11}$

$5 \frac{4}{8}$

$2 \frac{7}{9}$

$5 \frac{1}{3}$

$4 \frac{5}{6}$

	Even numerator	Odd numerator
Numerator equal to or less than 25	$\frac{16}{3}$	$\frac{23}{7}$ $\frac{25}{9}$
Numerator more than 25	$\frac{50}{11}$ $\frac{44}{8}$	$\frac{29}{6}$

