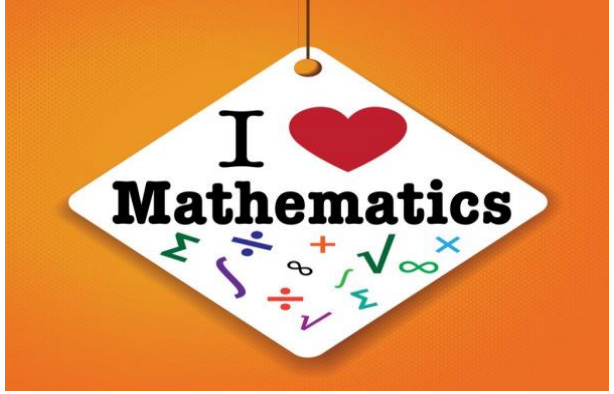


Monday 18th January

Multiply fractions by integers

Watch the video link and answer the following questions

https://vimeo.com/475426110

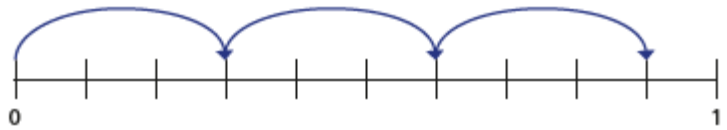
Multiply fractions by integers

1 Complete the calculations.

a)

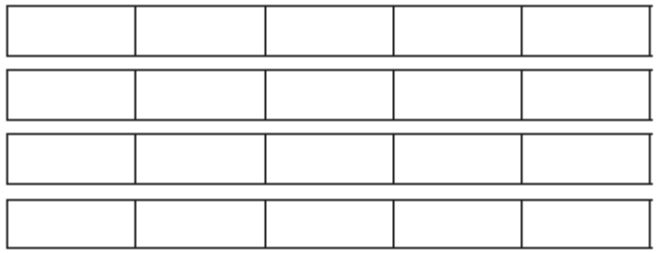
$\frac{2}{7} \times 2 =$ ☐

b)



$3 \times \frac{3}{10} =$ ☐

2 a) Shade the bar models to show $\frac{2}{5} \times 4$



b) Complete the multiplication.

$\frac{2}{5} \times 4 =$ ☐

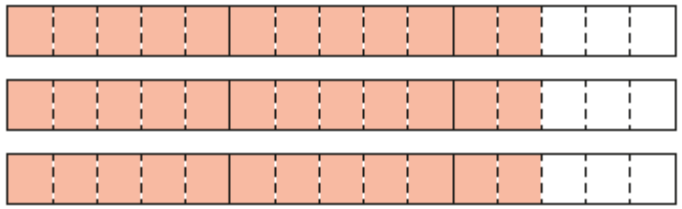
3 Complete the calculations.

a)	b)
$\frac{1}{3} \times 1 =$ ☐	$\frac{3}{4} \times 1 =$ ☐
$\frac{1}{3} \times 2 =$ ☐	$\frac{3}{4} \times 2 =$ ☐
$\frac{1}{3} \times 3 =$ ☐	$\frac{3}{4} \times 3 =$ ☐
$\frac{1}{3} \times 4 =$ ☐	$\frac{3}{4} \times 4 =$ ☐
$\frac{1}{3} \times 5 =$ ☐	$\frac{3}{4} \times 5 =$ ☐
$\frac{1}{3} \times 6 =$ ☐	$\frac{3}{4} \times 6 =$ ☐

What patterns do you notice?

4 Complete the multiplication.

$2\frac{2}{5} \times 3 =$ ☐



What method did you use? Is there a different method you could have used?

The Answers Are On The Next Slide .....

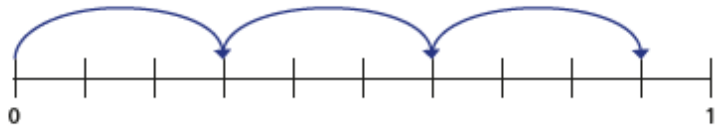
Multiply fractions by integers

1 Complete the calculations.

a)

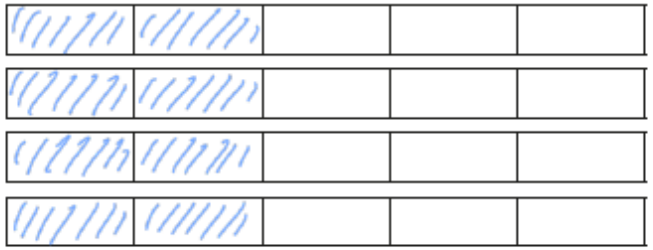
$\frac{2}{7} \times 2 = \boxed{\frac{4}{7}}$

b)



$3 \times \frac{3}{10} = \boxed{\frac{9}{10}}$

2 a) Shade the bar models to show $\frac{2}{5} \times 4$



b) Complete the multiplication.

$\frac{2}{5} \times 4 = \boxed{\frac{8}{5}} = 1\frac{3}{5}$

3 Complete the calculations.

a) $\frac{1}{3} \times 1 = \boxed{\frac{1}{3}}$

$\frac{1}{3} \times 2 = \boxed{\frac{2}{3}}$

$\frac{1}{3} \times 3 = \boxed{1}$

$\frac{1}{3} \times 4 = \boxed{1\frac{1}{3}}$

$\frac{1}{3} \times 5 = \boxed{1\frac{2}{3}}$

$\frac{1}{3} \times 6 = \boxed{2}$

b) $\frac{3}{4} \times 1 = \boxed{\frac{3}{4}}$

$\frac{3}{4} \times 2 = \boxed{1\frac{1}{2}}$

$\frac{3}{4} \times 3 = \boxed{2\frac{1}{4}}$

$\frac{3}{4} \times 4 = \boxed{3}$

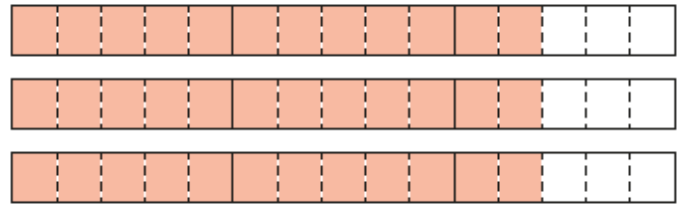
$\frac{3}{4} \times 5 = \boxed{3\frac{3}{4}}$

$\frac{3}{4} \times 6 = \boxed{4\frac{1}{2}}$

What patterns do you notice?

4 Complete the multiplication.

$2\frac{2}{5} \times 3 = \boxed{7\frac{1}{5}}$



What method did you use? Is there a different method you could have used?

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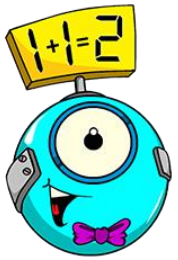


CHALLENGE QUESTIONS

5 Match the calculations.

$\frac{2}{3}+\frac{2}{3}$	$\frac{1}{2}\times 6$
$\frac{1}{4}\times 24$	$18\times\frac{1}{4}$
$\frac{3}{4}+\frac{3}{4}+\frac{3}{4}+\frac{3}{4}$	$\frac{1}{6}\times 10$
$\frac{5}{12}\times 4$	$12\times\frac{1}{2}$
$1\frac{1}{2}\times 3$	$\frac{1}{3}\times 4$

6 Write each answer as a mixed number in its simplest form.

a) $1\frac{1}{5}\times 2 =$ ☐

b) $2\frac{1}{6}\times 3 =$ ☐

c) $2\frac{2}{5}\times 4 =$ ☐

d) $2\frac{2}{5}\times 5 =$ ☐

e) $7\times 3\frac{1}{2} =$ ☐

f) $\frac{11}{15}\times 7 =$ ☐

7 Fill in the missing numbers.

a) $2\frac{\square}{7}\times 3 = 6\frac{6}{7}$

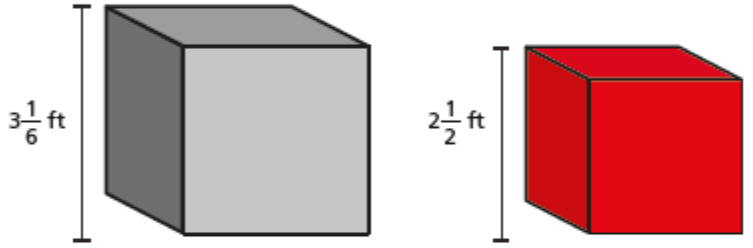
b) $2\frac{\square}{8}\times 3 = 7\frac{1}{2}$

8 Tommy's dog eats $3\frac{1}{2}$ tins of food a week.

How many tins does she eat in a year?

☐

9



Jack builds a tower using grey blocks.

Alex builds a tower using red blocks.

The towers are exactly the same height.

How many blocks could they each have used?

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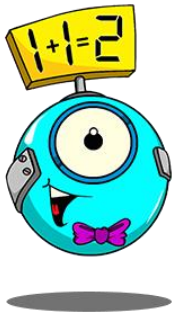


5 Match the calculations.

$\frac{2}{3}+\frac{2}{3}$	$\frac{1}{2}\times 6$
$\frac{1}{4}\times 24$	$18\times\frac{1}{4}$
$\frac{3}{4}+\frac{3}{4}+\frac{3}{4}+\frac{3}{4}$	$\frac{1}{6}\times 10$
$\frac{5}{12}\times 4$	$12\times\frac{1}{2}$
$1\frac{1}{2}\times 3$	$\frac{1}{3}\times 4$

6 Write each answer as a mixed number in its simplest form.

a) $1\frac{1}{5}\times 2 =$ $2\frac{2}{5}$

b) $2\frac{1}{6}\times 3 =$ $6\frac{1}{2}$

c) $2\frac{2}{5}\times 4 =$ $9\frac{3}{5}$

d) $2\frac{2}{5}\times 5 =$ 12

e) $7\times 3\frac{1}{2} =$ $24\frac{1}{2}$

f) $\frac{11}{15}\times 7 =$ $5\frac{2}{15}$

7 Fill in the missing numbers.

a) $2\frac{\boxed{2}}{7}\times 3 = 6\frac{6}{7}$

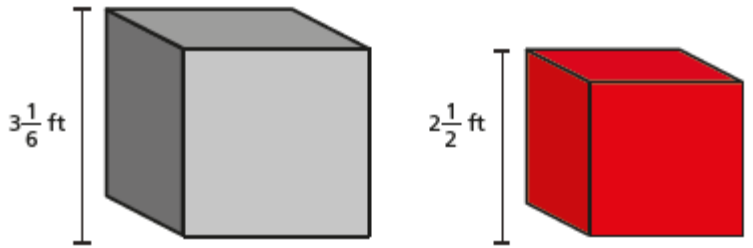
b) $2\frac{\boxed{4}}{8}\times 3 = 7\frac{1}{2}$

8 Tommy's dog eats $3\frac{1}{2}$ tins of food a week.

How many tins does she eat in a year?

182

9



Jack builds a tower using grey blocks.

Alex builds a tower using red blocks.

The towers are exactly the same height.

How many blocks could they each have used?

Jack could use 15 and Alex use 19

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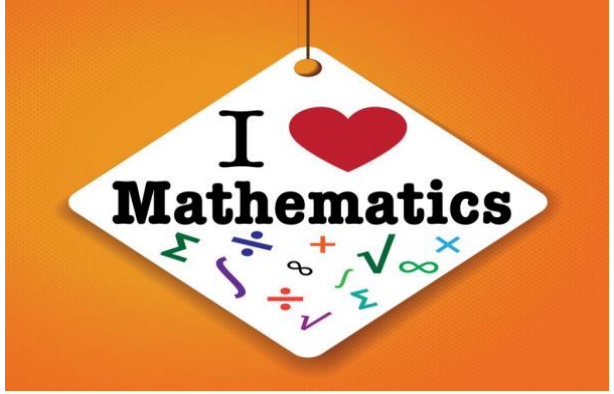


Tuesday 19th January

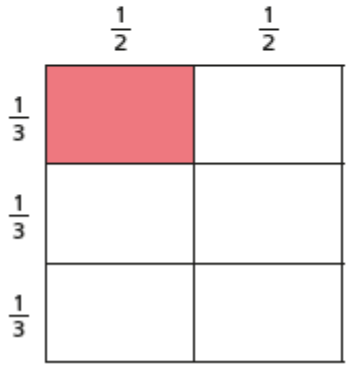
Multiply fractions by fractions

Watch the video link and answer the following questions

https://vimeo.com/476253821

Multiply fractions by fractions

1 Dexter works out $\frac{1}{2} \times \frac{1}{3}$ using a grid method.

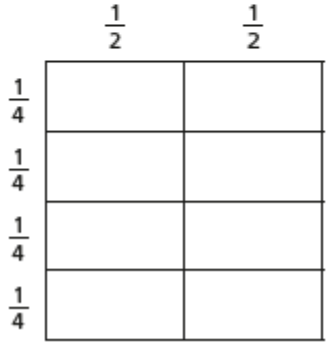


Explain how this shows $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

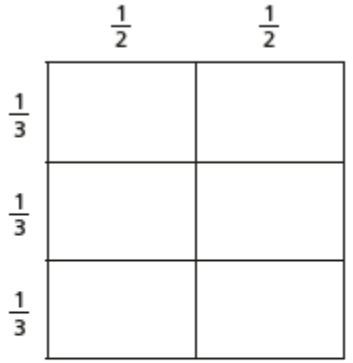
2 Shade the diagrams to show the fraction multiplications.

Complete the multiplications.

a) $\frac{1}{2} \times \frac{1}{4} = \square$



b) $\frac{1}{2} \times \frac{2}{3} = \square$



3 **a)** Divide the square to show that $\frac{2}{3} \times \frac{3}{4}$ is equal to $\frac{6}{12}$

b) Mo says $\frac{2}{3} \times \frac{3}{4}$ is equal to $\frac{1}{2}$

Is Mo correct? _____

Explain your answer.

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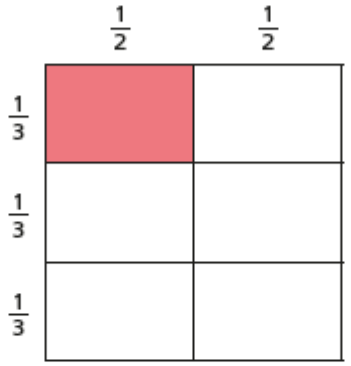
The Answers Are On The Next Slide .....

Multiply fractions by fractions

1 Dexter works out $\frac{1}{2} \times \frac{1}{3}$ using a grid method.



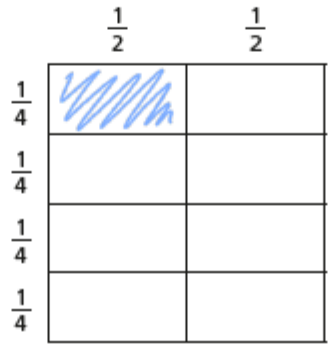
Explain how this shows $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

Split into halves vertically and thirds horizontally. $\frac{1}{6}$ of the whole shape is shaded.

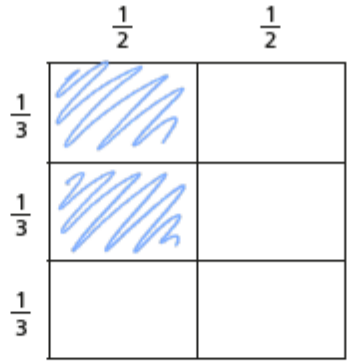
2 Shade the diagrams to show the fraction multiplications.

Complete the multiplications.

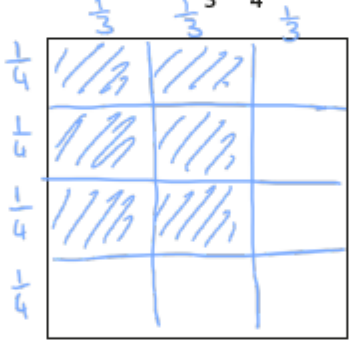
a) $\frac{1}{2} \times \frac{1}{4} =$ $\boxed{\frac{1}{8}}$



b) $\frac{1}{2} \times \frac{2}{3} =$ $\boxed{\frac{2}{6}} = \frac{1}{3}$



3 **a)** Divide the square to show that $\frac{2}{3} \times \frac{3}{4}$ is equal to $\frac{6}{12}$



b) Mo says $\frac{2}{3} \times \frac{3}{4}$ is equal to $\frac{1}{2}$

Is Mo correct? Yes

Explain your answer.

$\frac{6}{12}$ is equivalent to $\frac{1}{2}$

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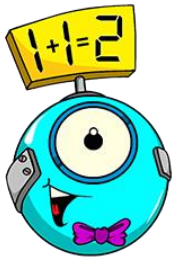


CHALLENGE QUESTIONS

4 Complete the calculations.

a) $\frac{1}{4} \times \frac{1}{5} = \square$

b) $\frac{1}{5} \times \frac{1}{6} = \square$

c) $\square = \frac{1}{7} \times \frac{1}{8}$

d) $\frac{1}{8} \times \frac{1}{9} \times \frac{1}{10} = \square$

e) $\frac{3}{4} \times \frac{1}{5} = \square$

f) $\frac{2}{5} \times \frac{5}{6} = \square$

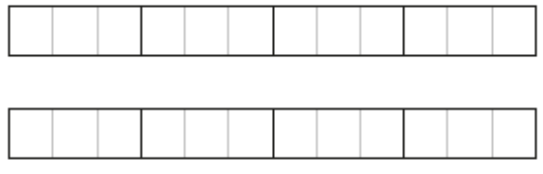
g) $\frac{5}{7} \times \frac{5}{8} = \square$

h) $\frac{3}{8} \times \frac{2}{9} \times \frac{3}{10} = \square$

5 Use the diagram to complete the calculations.

a) $\frac{1}{3}$ of $\frac{1}{4} = \square$

b) $\frac{2}{3}$ of $\frac{3}{4} = \square$



c) What do you notice about your answers?

Talk to your partner.

6 Fill in the missing numbers.

a) $\frac{1}{10} = \frac{1}{2} \times \frac{1}{\square}$

b) $\frac{1}{5} \times \frac{\square}{3} = \frac{2}{15}$

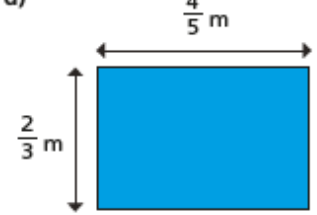
7 Fill in the missing numbers.

a) $\frac{1}{10} = \frac{\square}{4} \times \frac{\square}{5}$

b) $\frac{1}{4} = \frac{\square}{4} \times \frac{\square}{5}$

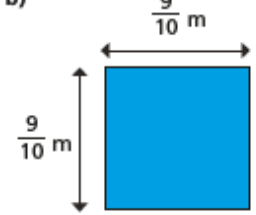
8 Calculate the area of the shapes.

a)



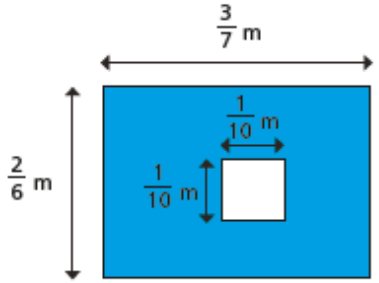
Area = $\square$ m²

b)



Area = $\square$ m²

9 Work out the area of the shaded part.



$\square$

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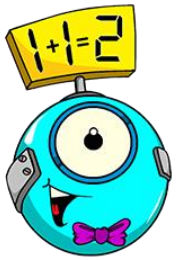
The Answers Are On The Next Slide .....



4 Complete the calculations.

a) $\frac{1}{4} \times \frac{1}{5} = \frac{1}{20}$

b) $\frac{1}{5} \times \frac{1}{6} = \frac{1}{30}$

c) $\frac{1}{56} = \frac{1}{7} \times \frac{1}{8}$

d) $\frac{1}{8} \times \frac{1}{9} \times \frac{1}{10} = \frac{1}{720}$

e) $\frac{3}{4} \times \frac{1}{5} = \frac{3}{20}$

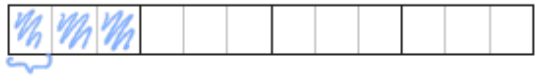
f) $\frac{2}{5} \times \frac{5}{6} = \frac{1}{3}$

g) $\frac{5}{7} \times \frac{5}{8} = \frac{25}{56}$

h) $\frac{3}{8} \times \frac{2}{9} \times \frac{3}{10} = \frac{1}{40}$

5 Use the diagram to complete the calculations.

a) $\frac{1}{3}$ of $\frac{1}{4} = \frac{1}{12}$



b) $\frac{2}{3}$ of $\frac{3}{4} = \frac{1}{2}$

c) What do you notice about your answers?

Talk to your partner.

6 Fill in the missing numbers.

a) $\frac{1}{10} = \frac{1}{2} \times \frac{1}{5}$

b) $\frac{1}{5} \times \frac{2}{3} = \frac{2}{15}$

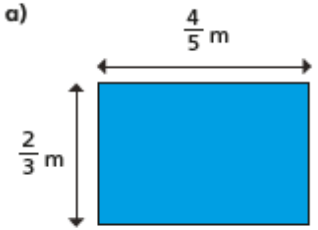
7 Fill in the missing numbers.

a) $\frac{1}{10} = \frac{1}{4} \times \frac{2}{5}$

b) $\frac{1}{4} = \frac{1}{4} \times \frac{5}{5}$

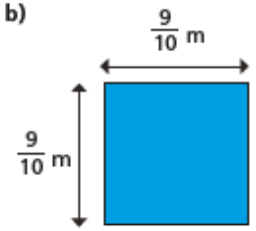
8 Calculate the area of the shapes.

a)



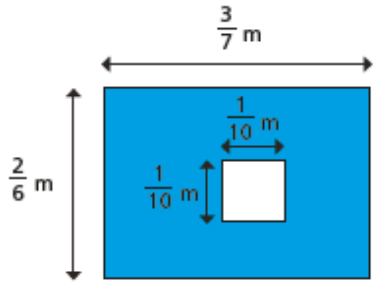
Area = $\frac{8}{15}$ m²

b)



Area = $\frac{81}{100}$ m²

9 Work out the area of the shaded part.



$\frac{93}{700}$ m²

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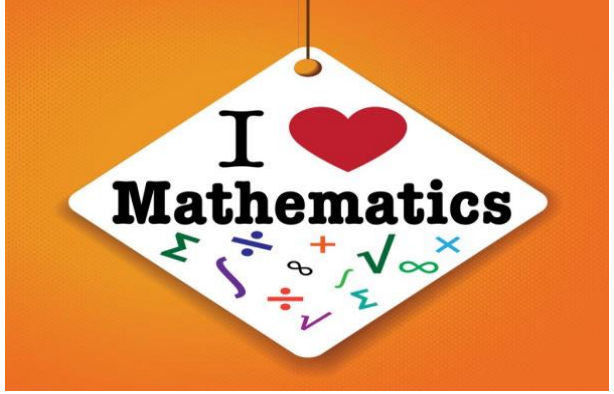

Wednesday 20th January

Divide fractions by integers

Watch the video link and answer the following questions

https://vimeo.com/476254074

Divide fractions by integers (1)

1 Use the diagrams to help complete the calculations.

a)

$\frac{4}{5} \div 4 = \square$

b)

$\frac{3}{5} \div 3 = \square$

c)

$\frac{6}{7} \div 2 = \square$

d)

$\frac{6}{7} \div 3 = \square$

2 Huan shares $\frac{8}{10}$ of a litre of juice equally between 4 glasses.

How much juice is in each glass?

$\square$

3 Complete the divisions.

a) $\square = \frac{4}{5} \div 2$

$\square = \frac{4}{10} \div 4$

$\square = \frac{4}{20} \div 4$

$\square = \frac{2}{10} \div 2$

b) $\frac{12}{25} \div \square = \frac{4}{25}$

$\frac{12}{25} \div \square = \frac{3}{25}$

$\frac{12}{25} \div \square = \frac{2}{25}$

$\frac{\square}{25} \div 6 = \frac{4}{25}$

4 Calculate the weights.

a)

$\square$

b)

$\square$

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The Answers Are On The Next Slide .....

Divide fractions by integers (1)

1 Use the diagrams to help complete the calculations.

a)

$\frac{4}{5} \div 4 = \boxed{\frac{1}{5}}$

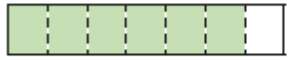
b)

$\frac{3}{5} \div 3 = \boxed{\frac{1}{5}}$

c)

$\frac{6}{7} \div 2 = \boxed{\frac{3}{7}}$

d)



$\frac{6}{7} \div 3 = \boxed{\frac{2}{7}}$

2 Huan shares $\frac{8}{10}$ of a litre of juice equally between 4 glasses.

How much juice is in each glass?

$\boxed{\frac{1}{5}}$ L

3 Complete the divisions.

a) $\boxed{\frac{2}{5}} = \frac{4}{5} \div 2$

$\boxed{\frac{1}{10}} = \frac{4}{10} \div 4$

$\boxed{\frac{1}{20}} = \frac{4}{20} \div 4$

$\boxed{\frac{1}{10}} = \frac{2}{10} \div 2$

b) $\frac{12}{25} \div \boxed{3} = \frac{4}{25}$

$\frac{12}{25} \div \boxed{4} = \frac{3}{25}$

$\frac{12}{25} \div \boxed{6} = \frac{2}{25}$

$\frac{\boxed{24}}{25} \div 6 = \frac{4}{25}$

4 Calculate the weights.

a)

$\boxed{\frac{4}{9}}$ kg

b)

$\boxed{\frac{3}{20}}$ kg

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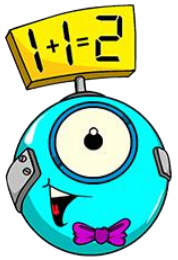
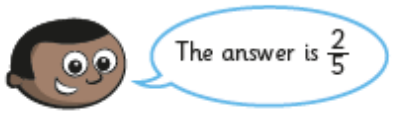


CHALLENGE QUESTIONS

5 Mo works out $\frac{10}{25} \div 5$



a) What mistake has Mo made?

b) Draw diagrams to show why Mo is wrong.

Talk about your answer with a partner.

6 Complete the calculations. Give your answers in their simplest form.

a) $\frac{4}{10} \div 2 = \frac{\square}{10} = \frac{\square}{5}$

b) $\frac{10}{15} \div 2 = \frac{\square}{15} = \frac{\square}{\square}$

c) $\frac{20}{45} \div 4 = \frac{\square}{\square} = \frac{\square}{\square}$

d) $\frac{18}{45} \div 2 = \frac{\square}{\square} = \frac{\square}{\square}$

e) $\frac{24}{56} \div 3 = \frac{\square}{\square} = \frac{\square}{\square}$

f) $\frac{\square}{\square} = \frac{\square}{\square} = \frac{21}{56} \div 3$

7 **a)** Complete the calculation.

$$\frac{6}{8} \div \square = \frac{1}{4}$$

b) Find the missing numbers to make this division correct.

$$\frac{24}{\square} \div \square = \frac{1}{20}$$

8 ♥ is a whole number.

● is a fraction.

$$\frac{10}{♥} \div 2 = \frac{1}{2} \times ●$$

a) Find values for ♥ and ●.

♥ = $\square$ ● = $\square$

b) What do you notice? Explain using diagrams or words.

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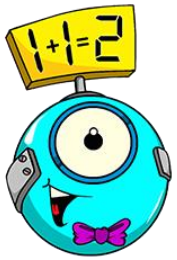
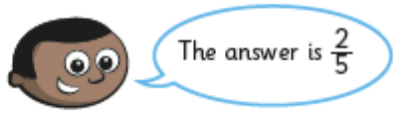
The Answers Are On The Next Slide .....



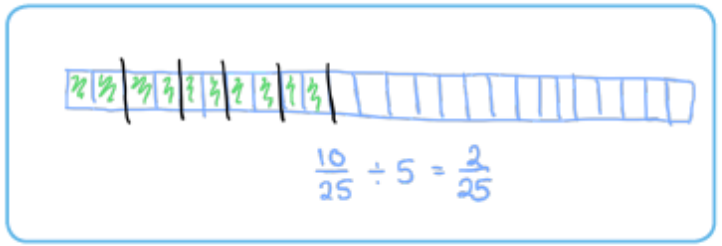
5 Mo works out $\frac{10}{25} \div 5$



a) What mistake has Mo made?

He has divided the denominator.

b) Draw diagrams to show why Mo is wrong.



Talk about your answer with a partner.

6 Complete the calculations. Give your answers in their simplest form.

a) $\frac{4}{10} \div 2 = \frac{\boxed{2}}{10} = \frac{\boxed{1}}{5}$

b) $\frac{10}{15} \div 2 = \frac{\boxed{5}}{15} = \boxed{\frac{1}{3}}$

c) $\frac{20}{45} \div 4 = \boxed{\frac{5}{45}} = \boxed{\frac{1}{9}}$

d) $\frac{18}{45} \div 2 = \boxed{\frac{9}{45}} = \boxed{\frac{1}{5}}$

e) $\frac{24}{56} \div 3 = \boxed{\frac{8}{56}} = \boxed{\frac{1}{7}}$

f) $\boxed{\frac{1}{8}} = \boxed{\frac{7}{56}} = \frac{21}{56} \div 3$

7 **a)** Complete the calculation.

$$\frac{6}{8} \div \boxed{3} = \frac{1}{4}$$

b) Find the missing numbers to make this division correct.

E.g. $\frac{\boxed{24}}{\boxed{20}} \div \boxed{24} = \frac{1}{20}$

8 ♥ is a whole number.

● is a fraction.

$$\frac{10}{♥} \div 2 = \frac{1}{2} \times ●$$

a) Find values for ♥ and ●.

e.g. ♥ = $\boxed{50}$ ● = $\boxed{\frac{1}{5}}$

b) What do you notice? Explain using diagrams or words.

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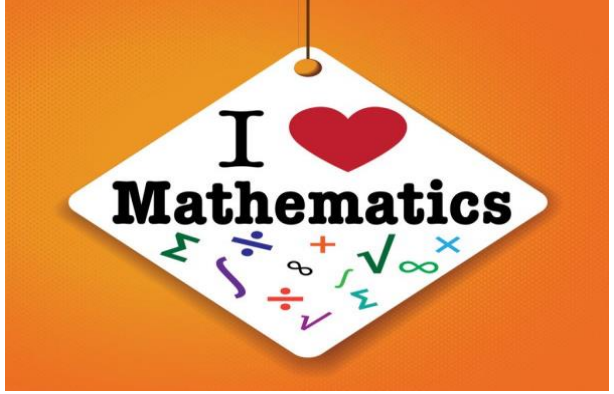

Thursday 21st January

Divide fractions by integers

Watch the video link and answer the following questions

https://vimeo.com/480707655

Divide fractions by integers (2)

1

$\frac{4}{5} \div 2$ $\frac{4}{5} \div 3$

a) Write two things that are the same about the calculations.

b) Write one thing that is different about the calculations.

c) Draw a diagram to help you work out the answer to $\frac{4}{5} \div 2$

d) Draw a diagram to help you work out the answer to $\frac{4}{5} \div 3$

2 Complete the divisions using the diagrams to help you.

a) $\frac{1}{3} \div 2 =$ ☐

b) $\frac{1}{3} \div 3 =$ ☐

c) $\frac{2}{3} \div 3 =$ ☐

3 $\frac{3}{4}$ of a kilogram of rice is divided equally between two bowls.

How much rice is in each bowl?

☐

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The Answers Are On The Next Slide .....

Divide fractions by integers (2)

1

$\frac{4}{5} \div 2$ $\frac{4}{5} \div 3$

a) Write two things that are the same about the calculations.

e.g. They are both divisions.
They both contain $\frac{4}{5}$

b) Write one thing that is different about the calculations.

What the fraction is being divided by

c) Draw a diagram to help you work out the answer to $\frac{4}{5} \div 2$

$\frac{4}{5} \div 2 = \frac{2}{5}$

d) Draw a diagram to help you work out the answer to $\frac{4}{5} \div 3$

$\frac{4}{5} \div 3 = \frac{4}{15}$

2 Complete the divisions using the diagrams to help you.

a) $\frac{1}{3} \div 2 =$ $\frac{1}{6}$

b) $\frac{1}{3} \div 3 =$ $\frac{1}{9}$

c) $\frac{2}{3} \div 3 =$ $\frac{2}{9}$

3 $\frac{3}{4}$ of a kilogram of rice is divided equally between two bowls.

How much rice is in each bowl?

$\frac{3}{8}$ kg

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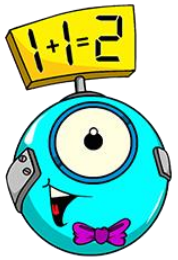


CHALLENGE QUESTIONS

4 Work out the divisions.

a) $\frac{1}{5} \div 7 = \square$

b) $\square = \frac{1}{6} \div 3$

c) $\frac{1}{4} \div 9 = \square$

d) $\square = \frac{1}{7} \div 6$

e) $\frac{4}{9} \div 7 = \square$

f) $\square = \frac{5}{6} \div 12$

g) $\frac{8}{3} \div 7 = \square$

h) $\square = \frac{19}{20} \div 5$

i) $\frac{1}{100} \div 25 = \square$

j) $\square = \frac{45}{50} \div 20$

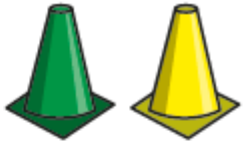
5 Write <, > or = to complete each statement.

a) $\frac{1}{3} \div 5 \bigcirc \frac{1}{5} \div 3$

b) $\frac{1}{3} \div 3 \bigcirc \frac{1}{5} \div 5$

c) $\frac{3}{5} \div 5 \bigcirc \frac{3}{5} \div 3$

6 There are some cones in the PE shed.



Classes 1, 2 and 3 share them equally.

- Class 1 put theirs into 4 equal piles.
- Class 2 put theirs into 5 equal piles.
- Class 3 put theirs into 11 equal piles.

What fraction of the whole number of cones is in each pile?

	Fraction in each pile
Class 1	
Class 2	
Class 3	

7 a) Which of these statements are true? Tick your answers.

$\frac{1}{2} \div 2$ *is equal to* $\frac{1}{2} \times \frac{1}{2}$ ☐

$\frac{1}{2} \div 4 = \frac{1}{2} \times \frac{1}{4}$ ☐

$\frac{1}{2} \div 3 = \frac{1}{2} \times \frac{1}{3}$ ☐

$\frac{1}{2} \div 5 = \frac{1}{2} \times \frac{1}{5}$ ☐

b) What do you notice?

Is it only true for halves?

Does it work for non-unit fractions?

Talk to a partner.

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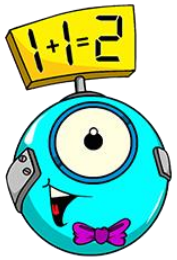
The Answers Are On The Next Slide .....



4 Work out the divisions.

a) $\frac{1}{5} \div 7 = \frac{1}{35}$

b) $\frac{1}{18} = \frac{1}{6} \div 3$

c) $\frac{1}{4} \div 9 = \frac{1}{36}$

d) $\frac{1}{42} = \frac{1}{7} \div 6$

e) $\frac{4}{9} \div 7 = \frac{4}{63}$

f) $\frac{5}{72} = \frac{5}{6} \div 12$

g) $\frac{8}{3} \div 7 = \frac{8}{21}$

h) $\frac{19}{100} = \frac{19}{20} \div 5$

i) $\frac{1}{100} \div 25 = \frac{1}{2500}$

j) $\frac{9}{200} = \frac{45}{50} \div 20$

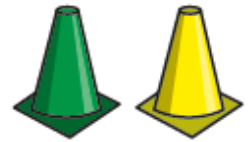
5 Write <, > or = to complete each statement.

a) $\frac{1}{3} \div 5$ = $\frac{1}{5} \div 3$

b) $\frac{1}{3} \div 3$ > $\frac{1}{5} \div 5$

c) $\frac{3}{5} \div 5$ < $\frac{3}{5} \div 3$

6 There are some cones in the PE shed.



Classes 1, 2 and 3 share them equally.

- Class 1 put theirs into 4 equal piles.
- Class 2 put theirs into 5 equal piles.
- Class 3 put theirs into 11 equal piles.

What fraction of the whole number of cones is in each pile?

	Fraction in each pile
Class 1	$\frac{1}{12}$
Class 2	$\frac{1}{15}$
Class 3	$\frac{1}{33}$

7 a) Which of these statements are true? Tick your answers.

- ☑ $\frac{1}{2} \div 2$ *is equal to* $\frac{1}{2} \times \frac{1}{2}$
- ☑ $\frac{1}{2} \div 4 = \frac{1}{2} \times \frac{1}{4}$
- ☐ $\frac{1}{2} \div 3 = \frac{1}{2} \times \frac{1}{3}$
- ☑ $\frac{1}{2} \div 5 = \frac{1}{2} \times \frac{1}{5}$

b) What do you notice?

Is it only true for halves?

Does it work for non-unit fractions?

Talk to a partner.

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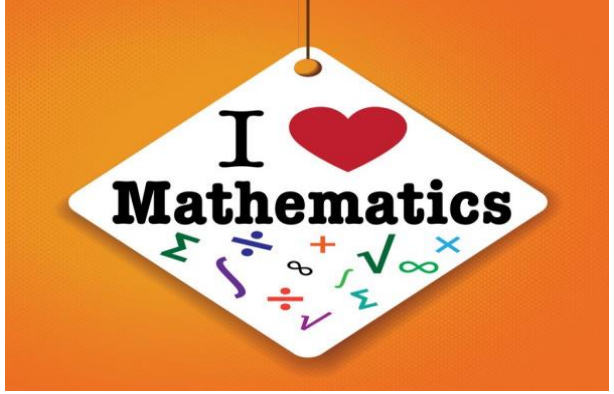
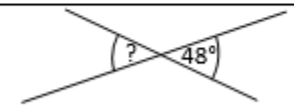
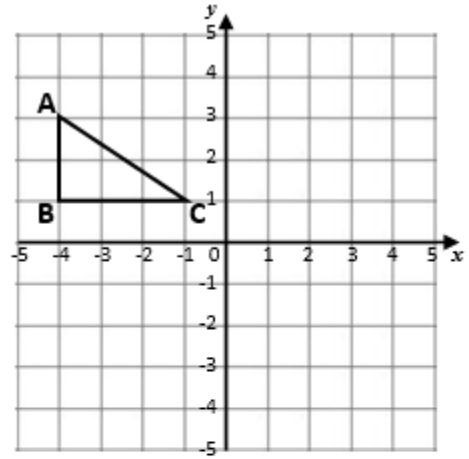
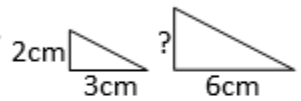
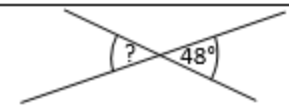
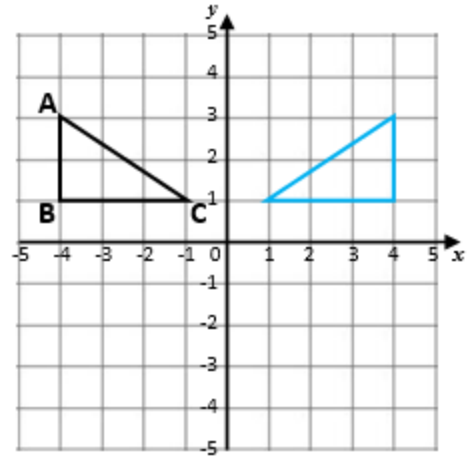
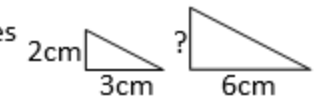


Friday 22nd January

Skills Check

A: Place Value, Add, Subtract, Multiply and Divide		B: Fractions, Ratio, Proportion and Algebra		C: Geometry, Position and Direction	
1. Write in words: **5,230,760**	6:1	11. Simplify this fraction fully: $\frac{8}{24}$	6:7	21. Find the missing angle. 	6:24
2. What is the value of the **1** in this number? 1,384,721	6:1	12. $2\frac{3}{8} + \frac{9}{12} =$	6:8	22. **On the circle draw a line to label the radius.** 	6:25
3. Round **8,523,912** to the nearest **million**.	6:1	13. $\frac{1}{4} \div 2 =$	6:9		
4. The temperature rises from -4°C to 12°C. How many degrees has it risen?	6:2	14. What is the value of the **3** in this number: 25.738	6:10	23. Find the missing angle. 	6:26
5. 2,246 x 12	6:3	15. Give your answer as a decimal: 15 ÷ 4	6:11	24. **What are the co-ordinates of A?** 	6:27
6. What is the remainder? 2,244 ÷ 16	6:3	16. Write this decimal as a **fraction** and a **percentage**. (0.75)	6:12		
7. Write **two common factors** of 24 and 36.	6:4	17. Find **15%** of 360.	6:13		
8. List the first **five prime numbers**.	6:4	18. These shapes are **similar**. 	6:14		
9. 15 + 4 x 8	6:5	19. There are **p** people on a bus. 5 get on. Write an expression for this.	6:15		
10. What is my change if I buy as many £4.49 footballs as I can with £30?	6:6	20. Which two numbers add together to make 19 and have a difference of 3?	6:17	25. **Reflect** triangle **ABC** in the **y-axis**.	6:28
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)	

The Answers Are On The Next Slide .....

A: Place Value, Add, Subtract, Multiply and Divide		B: Fractions, Ratio, Proportion and Algebra		C: Geometry, Position and Direction	
1. Write in words: **5,230,760**	*6:1* **Five million, two hundred and thirty thousand, seven hundred and sixty**	11. Simplify this fraction fully: $\frac{8}{24}$	*6:7* **$\frac{1}{3}$**	21. Find the missing angle. 	*6:24* **28°**
2. What is the value of the **1** in this number? 1,384,721	*6:1* **1,000,000 (million)**	12. $2\frac{3}{8} + \frac{9}{12} =$	*6:8* **$3\frac{3}{24}$**	22. **On the circle draw a line to label the radius.** 	*6:25* **Line drawn**
3. Round **8,523,912** to the nearest **million**.	*6:1* **9,000,000**	13. $\frac{1}{4} \div 2 =$	*6:9* **$\frac{1}{8}$**		
4. The temperature rises from -4°C to 12°C. How many degrees has it risen?	*6:2* **16**	14. What is the value of the **3** in this number: 25.738	*6:10* **$\frac{3}{100}$**	23. Find the missing angle. 	*6:26* **48°**
5. 2,246 x 12	*6:3* **26,952**	15. Give your answer as a decimal: 15 ÷ 4	*6:11* **3.75**	24. **What are the co-ordinates of A?** 	*6:27* **(-4,3)**
6. What is the remainder? 2,244 ÷ 16	*6:3* **4**	16. Write this decimal as a **fraction** and a **percentage**. (0.75)	*6:12* **$\frac{3}{4}$,75%**		
7. Write **two common factors** of 24 and 36.	*6:4* **1,2,3, 4,6,12**	17. Find **15%** of 360.	*6:13* **54**		
8. List the first **five prime numbers**.	*6:4* **2,3,5, 7,11**	18. These shapes are **similar**. 	*6:14* **4cm**	25. **Reflect** triangle **ABC** in the **y-axis**.	*6:28* **Shape drawn**
9. 15 + 4 x 8	*6:5* **47**	19. There are **p** people on a bus. 5 get on. Write an expression for this.	*6:15* **p+5**		
10. What is my change if I buy as many £4.49 footballs as I can with £30?	*6:6* **£3.06**	20. Which two numbers add together to make 19 and have a difference of 3?	*6:17* **8, 11**		
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)	