Grade 6

Remote Learning Pack

Friday 28th May until Thursday 3rd June 2021
(inclusive)

Year 6 Remote Learning Term 2 Weeks 6 & 7

Due to the current restrictions, we will be in lockdown for 7 days until the **3rd of June 2021.** This will mean that remote learning will be taking place as schools will be closed. Below are activities to be completed over the next week. Bring your completed work back to school by the **4th of June 2021.** The Saint project will still be due on the **8th of June** as discussed. Do your best. If you have any questions please contact your teacher. If it's a Maths question, please email your Maths teacher.

Miss Cablao - jacelle.cablao@hestalbanssth.catholic.edu.au

Mrs Kennedy - helen.kennedy@hestalbansth.catholic.edu.au

Mr. A - walant42@hestalbanssth.catholic.edu.au

Religion/Literacy

Saint Research assignment (Home learning task given to you).

Mathematics

Each Maths group will be given worksheets to complete.

These worksheets will relate to fractions, decimals and the 4 operations of addition, subtraction, multiplication and division. Please contact your Maths teacher if you have any questions.

(MUST DO) Writing/Inquiry: Adaptations Informative Text

In Writing we are doing Information texts whidh give the reader information about how your animal or plant adapt and survive in their habitat.

Complete the <u>Informative Writing graph</u> given to you by your teacher. You will need the following:

- Sizzling Start
- Structural Adaptation of your animal
- Behavioural Adaptation of your animal
- Functional Adaptations of your animal
- Exciting Ending/Conclusion

Once this writing graph is complete, you will need to <u>publish your work.</u>

6A: Booklet

6JC & 6HK: How you publish is your choice. Some options include; booklet, fact file, powerpoint, video, poster etc.

Reading Response (Matrix will be uploaded on Google Classroom or given to you by your teacher)

Read for 20 minutes each day.

You then need to choose a reading response for the reading grid that has been given to you.

You need to choose a new reading response each day.

Remember to put the date at the top of each page.

Copy the title of the response into your workbook before you begin the task.

Write the title of the book/novel you are reading.

Each reading response should take up one page in your book.

You can include drawings and illustrations on your page.

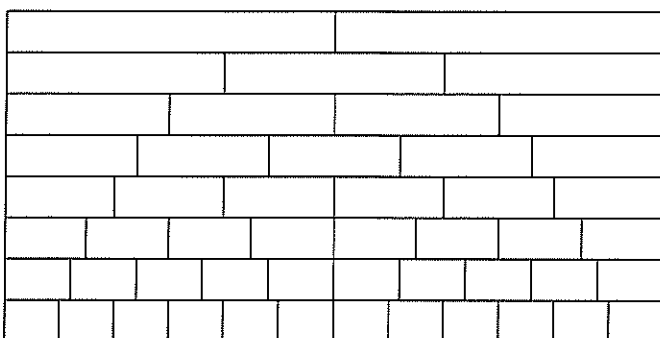# Compare fractions with related denominators

Name: _____   Date: _____

Fractions and Decimals	Compare fractions with related denominators and locate and represent them on a number line (VCMNA211)

Understanding

1. Use the fraction wall to work out the equivalent fractions.

a) $\dfrac{1}{2} = \dfrac{}{4} = \dfrac{}{6} = \dfrac{}{8} = \dfrac{}{12}$

b) $\dfrac{2}{3} = \dfrac{}{6} = \dfrac{}{12}$

c) $\dfrac{3}{4} = \dfrac{}{8} = \dfrac{}{12}$

d) $\dfrac{1}{6} = \dfrac{}{12}$

e) $\dfrac{1}{} = \dfrac{}{4} = \dfrac{}{6} = \dfrac{}{8} = \dfrac{}{12}$

Fluency

1. Write each fraction in its simplest from.

a) $\dfrac{3}{12} =$ ___   f) $\dfrac{12}{32} =$ ___

b) $\dfrac{8}{10} =$ ___   g) $\dfrac{5}{15} =$ ___

c) $\dfrac{7}{28} =$ ___   h) $\dfrac{18}{72} =$ ___

d) $\dfrac{9}{24} =$ ___   i) $\dfrac{16}{60} =$ ___

e) $\dfrac{12}{50} =$ ___   j) $\dfrac{24}{54} =$ ___

2. Shade each shape to show the fractions are equivalent.

$\dfrac{2}{5}$ $\dfrac{4}{10}$

Problem Solving

1. There were $\dfrac{10}{16}$ students present in Mr Clarke's Science class and $\dfrac{7}{10}$ students were present in Ms Brown's English class. Which teacher had a larger fraction of students attend?

2. Convert each unit of time to a fraction of an hour.

a) Quarter of an hour $= \dfrac{}{60}$

b) Half an hour $= \dfrac{}{60}$

c) Two hours $= \dfrac{}{60}$

Reasoning

1. Re-write the fractions in order from smallest to largest.

$\dfrac{1}{2} \qquad \dfrac{2}{3} \qquad \dfrac{5}{8} \qquad \dfrac{3}{4} \qquad \dfrac{2}{10} \qquad \dfrac{1}{3}$

2. Re-write the fractions in order from largest to smallest.

$\dfrac{3}{4} \qquad \dfrac{2}{5} \qquad \dfrac{3}{6} \qquad \dfrac{7}{8} \qquad \dfrac{2}{3} \qquad \dfrac{1}{2}$

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Convert between fractions, decimals and percentages

Name: _____   Date: _____

Fractions and Decimals | **Make connections between equivalent fractions, decimals and percentages (VCMNA217)**

Understanding

1. Convert each fraction to its decimal equivalent.

a) $\frac{1}{10} =$ f) $1\frac{2}{10} =$

b) $\frac{3}{10} =$ g) $2\frac{6}{10} =$

c) $\frac{7}{10} =$ h) $3\frac{17}{100} =$

d) $\frac{1}{2} =$ i) $2\frac{37}{100} =$

e) $\frac{1}{4} =$ j) $4\frac{291}{1000} =$

2. Convert each decimal to its percentage equivalent.

a) $0.1 =$ h) $0.08 =$

b) $0.3 =$ i) $0.01 =$

c) $0.47 =$ j) $0.192 =$

d) $0.18 =$ k) $0.573 =$
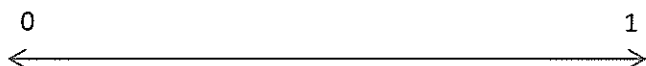
e) $0.25 =$ l) $0.842 =$
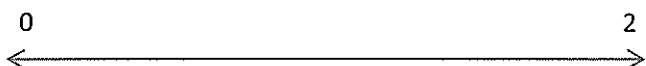
f) $0.38 =$ m) $1.14 =$

g) $0.98 =$ n) $2.48 =$

Fluency

1. Draw a line from each fraction, decimal and percentage to its correct position on the number line.

0 _____ 1

0.25 $\frac{1}{5}$ 10% 25% $\frac{3}{4}$ 0.8 75%

0 _____ 2

0.65 20% $\frac{5}{4}$ 160% $\frac{1}{5}$ 1.2 125%

2. Fill in the missing fractions, decimals and percentage in the table.

Fraction	Decimal	Percentage (%)
$\frac{2}{4}$		
	0.2	
		60%
$\frac{1}{3}$		
		137%
$\frac{6}{8}$		
	0.35	

Problem Solving

1. Jorja scored 15 out of 25 on her internet research project. What percentage did she get?

2. Identify what part of the shape is shaded.

Fraction = _____

Decimal = _____

Percentage = _____

3. 30% of today's 120 customers at Fresher Fruit bought apples, $\frac{1}{4}$ bought oranges, 35% bought grapes and 10% bought bananas. How many people bought each fruit?

Apples = _____

Oranges = _____

Grapes = _____

Bananas = _____

Reasoning

1. Arrange the fractions, decimals and percentage from smallest to largest.

30% 0.94 $\frac{1}{3}$ 85% 0.22 $\frac{1}{10}$

2. Describe in words how to convert a fraction to a percentage. _____

_____

_____

Convert between fractions, decimals and percentages

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Fractions and Decimals | **Make connections between equivalent fractions, decimals and percentages (VCMNA217)**

Understanding

1. Convert each fraction to its decimal equivalent.

a) $\frac{1}{10} =$

b) $\frac{3}{10} =$

c) $\frac{7}{10} =$

d) $\frac{1}{2} =$

e) $\frac{1}{4} =$

f) $1\frac{2}{10} =$

g) $2\frac{6}{10} =$

h) $3\frac{17}{100} =$

i) $2\frac{37}{100} =$

j) $4\frac{291}{1000} =$

2. Convert each decimal to its percentage equivalent.

a) $0.1 =$

b) $0.3 =$

c) $0.47 =$

d) $0.18 =$

e) $0.25 =$

f) $0.38 =$

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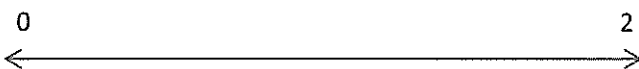
n) $2.48 =$

Fluency

1. Draw a line from each fraction, decimal and percentage to its correct position on the number line.

0 ———————————————— 1

0.25 $\frac{1}{5}$ 10%   25% $\frac{3}{4}$ 0.8   75%

0 ———————————————— 2

0.65   20% $\frac{5}{4}$ 160% $\frac{1}{5}$ 1.2   125%

2. Fill in the missing fractions, decimals and percentage in the table.

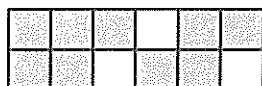| Fraction	Decimal	Percentage (%)
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e) $\dfrac{1}{} = \dfrac{}{4} = \dfrac{}{6} = \dfrac{}{8} = \dfrac{}{12}$

Fluency

1. Write each fraction in its simplest from.

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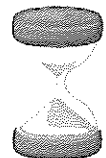
2. Convert each unit of time to a fraction of an hour.

a) Quarter of an hour = $\dfrac{}{60}$

b) Half an hour = $\dfrac{}{60}$

c) Two hours = $\dfrac{}{60}$

Reasoning

1. Re-write the fractions in order from smallest to largest.

$\dfrac{1}{2}$ $\dfrac{2}{3}$ $\dfrac{5}{8}$ $\dfrac{3}{4}$ $\dfrac{2}{10}$ $\dfrac{1}{3}$

2. Re-write the fractions in order from largest to smallest.

$\dfrac{3}{4}$ $\dfrac{2}{5}$ $\dfrac{3}{6}$ $\dfrac{7}{8}$ $\dfrac{2}{3}$ $\dfrac{1}{2}$

Division Wheels

Divide the numbers by the middle number.

Times Tables worksheet

Name: _____

4 x 2=	6 x 6=	3 x 4=	9 x 11=	10 x 11=	5 x 9=
7 x 2=	7 x 10=	4 x 11=	12 x 8=	7 x 7=	9 x 10=
7 x 11=	5 x 7=	5 x 6=	4 x 4=	2 x 2=	10 x 10=
11 x 3=	10 x 8=	9 x 6=	11 x 6=	2 x 7=	3 x 11=
2 x 8=	11 x 9=	7 x 8=	7 x 3=	6 x 5=	12 x 6=
9 x 2=	8 x 6=	6 x 3=	6 x 11=	10 x 6=	7 x 6=
12 x 3=	10 x 3=	5 x 2=	7 x 5=	12 x 9=	9 x 4=
6 x 2=	3 x 3=	12 x 12=	11 x 2=	5 x 5=	12 x 7=
2 x 4=	5 x 11=	10 x 5=	5 x 12=	12 x 11=	3 x 9=
8 x 8=	6 x 12=	4 x 7=	11 x 7=	8 x 12=	12 x 5=

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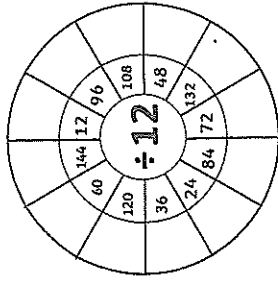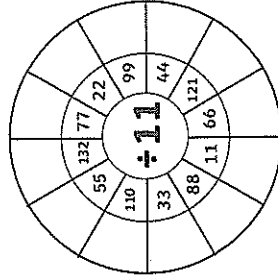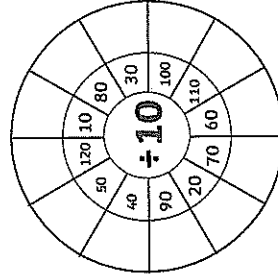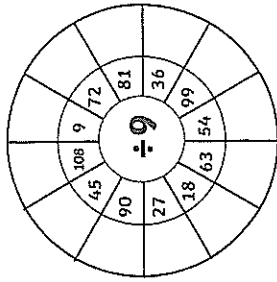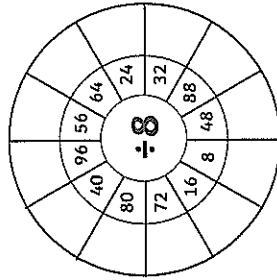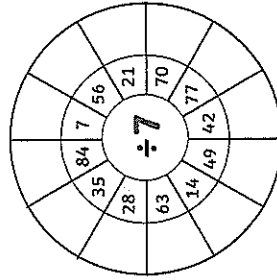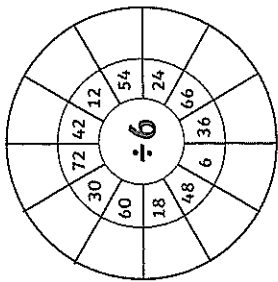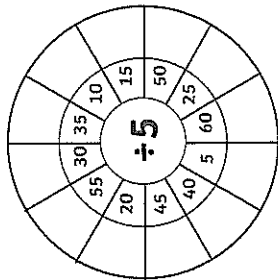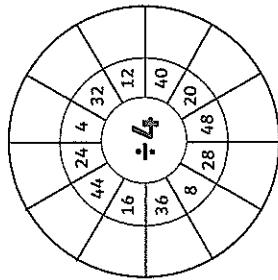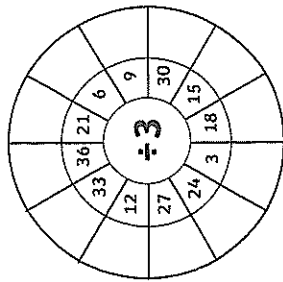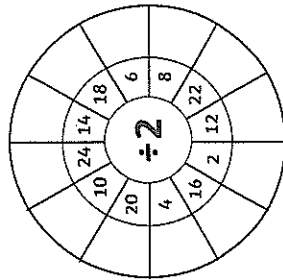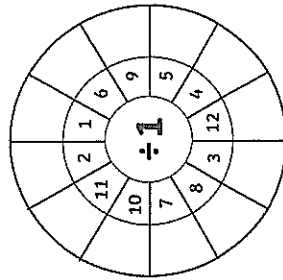
Solve word problems involving multiplication and division

Name: _____   Date: _____

Patterns and Algebra	Solve word problems by using number sentences involving multiplication or division where there is no remainder (VCMNA162)

Understanding

1. Tony puts 18 jelly beans into 6 equal groups. Write a number sentence to work out how many jelly beans each person gets.

2. Ryan spent $56 on 8 books for school. Write a number sentence to work out how much each book costs.

3. Sonia bought 9 pens for $4 each. Write a number sentence to work out how much she spent.

4. There have been 6 wet days per month this year (12 months). Write a number sentence to work out how many wet days there have been this year.

Fluency

1. Work out the missing number in each number sentence.

   a) 2 × ☐ = 6
   b) ☐ × 5 = 10
   c) 6 × 3 = ☐
   d) 4 × ☐ = 12
   e) ☐ × 7 = 21
   f) 8 × 12 = ☐

2. Work out the missing number in each number sentence.

   a) 15 ÷ ☐ = 3
   b) ☐ ÷ 4 = 4
   c) 20 ÷ 5 = ☐
   d) 42 ÷ ☐ = 6
   e) ☐ ÷ 9 = 10
   f) 72 ÷ 8 = ☐

Problem Solving

1. When a number is multiplied by 2, the answer is the same as 12 divided by 2. What is the number?

2. When a number is multiplied by 3, the answer is the same as 24 divided by 4. What is the number?

3. When a number is multiplied by 6, the answer is the same as 48 divided by 4. What is the number?

4. When a number is multiplied by 8, the answer is the same as 64 divided by 2. What is the number?

Reasoning

1. Create a word story to match the number sentence.

   6 × ☐ = 30

   _____
   _____
   _____

2. Fill in the blanks to make each number sentence true.

   a) 24 ÷ ☐ = 6 ÷ ☐ = 2
   b) 72 ÷ ☐ = 3 × ☐ = 9
   c) 36 ÷ ☐ = 24 ÷ ☐ = 4

Use multiplication facts up to 10 x 10, and related division facts

Name: _____   Date: _____

Number and Place Value | Recall multiplication facts up to 10 × 10 and related division facts (VCMNA155)

Understanding

1. Multiply the following numbers.

a) $4 \times 5 =$		h) $6 \times 5 =$	
b) $2 \times 7 =$		i) $4 \times 2 =$	
c) $6 \times 3 =$		j) $7 \times 2 =$	
d) $4 \times 3 =$		k) $5 \times 3 =$	
e) $7 \times 5 =$		l) $9 \times 2 =$	
f) $4 \times 10 =$		m) $4 \times 6 =$	
g) $8 \times 2 =$		n) $8 \times 10 =$	

2. Divide the following numbers.

a) $36 \div 4 =$		h) $40 \div 10 =$	
b) $28 \div 7 =$		i) $35 \div 7 =$	
c) $24 \div 3 =$		j) $20 \div 4 =$	
d) $15 \div 3 =$		k) $20 \div 2 =$	
e) $24 \div 6 =$		l) $28 \div 4 =$	
f) $30 \div 5 =$		m) $18 \div 3 =$	
g) $12 \div 4 =$		n) $12 \div 6 =$	

Fluency

1. Multiply the following numbers.

a) $7 \times 6 =$		h) $9 \times 6 =$	
b) $8 \times 5 =$		i) $8 \times 9 =$	
c) $9 \times 7 =$		j) $7 \times 9 =$	
d) $4 \times 9 =$		k) $8 \times 8 =$	
e) $8 \times 7 =$		l) $6 \times 8 =$	
f) $9 \times 9 =$		m) $6 \times 6 =$	
g) $8 \times 10 =$		n) $7 \times 7 =$	

2. Divide the following numbers.

a) $64 \div 8 =$		h) $81 \div 9 =$	
b) $72 \div 9 =$		i) $56 \div 8 =$	
c) $56 \div 7 =$		j) $42 \div 6 =$	
d) $42 \div 6 =$		k) $36 \div 9 =$	
e) $70 \div 10 =$		l) $90 \div 9 =$	
f) $54 \div 9 =$		m) $32 \div 8 =$	
g) $49 \div 7 =$		n) $27 \div 9 =$	

Problem Solving

1. What are the first 7 multiples of 4?

   _____

2. What are the first 7 multiples of 6?

   _____

3. What are the first 7 multiples of 8?

   _____

4. What are the first 7 multiples of 9?

   _____

5. What are the factors of 12?

   _____

6. What are the factors of 20?

   _____

7. What are the factors of 24?

   _____

8. What are the factors of 18?

   _____

Reasoning

1. Circle the number sentences that are true.

   a) $4 \times 3 = 2 \times 6$

   b) $7 \times 6 = 8 \times 4$

   c) $8 \times 9 = 12 \times 7$

   d) $6 \times 5 = 3 \times 10$

   e) $4 \times 6 = 8 \times 3$

2. What is the product of 3 and 7? _____

3. What is the product of 8 and 9? _____

4. What is the product of 4 and 8? _____

5. What is the product of 7 and 7? _____

6. What is the product of 6 and 9? _____

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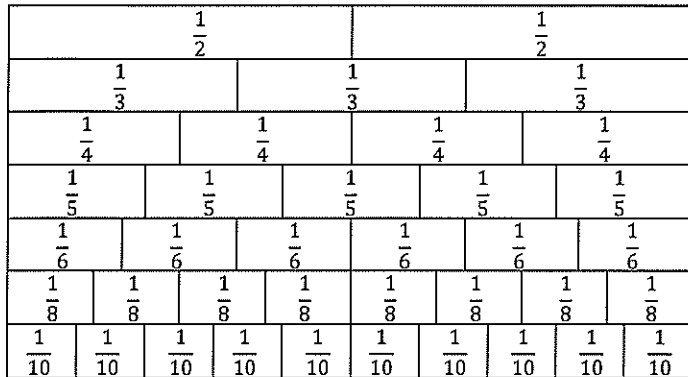# Investigate equivalent fractions

Name: _____   Date: _____

Fractions and Decimals | **Investigate equivalent fractions used in contexts (VCMNA157)**

Understanding

1. Use the fraction wall to work out the equivalent fractions.

$\frac{1}{2}$				$\frac{1}{2}$		
$\frac{1}{3}$		$\frac{1}{3}$			$\frac{1}{3}$	
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$
$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$		
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	
$\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$						
$\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$						

a) $\frac{1}{2} = \frac{}{4} = \frac{}{6} = \frac{}{8}$

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

c) $\frac{4}{10} = \frac{}{5}$

d) $\frac{4}{5} = \frac{}{10}$

e) $\frac{3}{4} = \frac{}{8}$

Fluency

1. Work out the missing equivalent fraction.

a) $\frac{10}{20} = \frac{}{10}$

b) $\frac{8}{12} = \frac{}{6}$

c) $\frac{3}{15} = \frac{}{5}$

d) $\frac{7}{14} = \frac{}{2}$

e) $\frac{6}{18} = \frac{}{3}$

f) $\frac{10}{25} = \frac{}{5}$

g) $\frac{6}{10} = \frac{}{5}$

h) $\frac{8}{24} = \frac{}{12}$

i) $\frac{5}{30} = \frac{}{6}$

j) $\frac{20}{35} = \frac{}{7}$

k) $\frac{4}{16} = \frac{}{4}$

l) $\frac{14}{21} = \frac{}{3}$

m) $\frac{2}{9} = \frac{}{27}$

n) $\frac{1}{3} = \frac{}{36}$

o) $\frac{4}{5} = \frac{}{40}$

p) $\frac{1}{2} = \frac{15}{}$

q) $\frac{3}{4} = \frac{60}{}$

r) $\frac{3}{7} = \frac{24}{}$

s) $\frac{5}{6} = \frac{15}{}$

t) $\frac{1}{12} = \frac{4}{}$

Problem Solving

1. Write each fraction in its simplest form.

a) $\frac{5}{20} = \_\_$

b) $\frac{6}{12} = \_\_$

c) $\frac{14}{21} = \_\_$

d) $\frac{4}{22} = \_\_$

e) $\frac{10}{32} = \_\_$

f) $\frac{10}{25} = \_\_$

g) $\frac{10}{18} = \_\_$

h) $\frac{16}{40} = \_\_$

i) $\frac{14}{36} = \_\_$

j) $\frac{6}{8} = \_\_$

k) $\frac{9}{27} = \_\_$

l) $\frac{3}{15} = \_\_$

Reasoning

1. Prove the statement by drawing each fraction.

$\frac{3}{5}$ is larger than $\frac{4}{8}$

2. Prove the statement by drawing each fraction.

$\frac{4}{6}$ < $\frac{3}{4}$