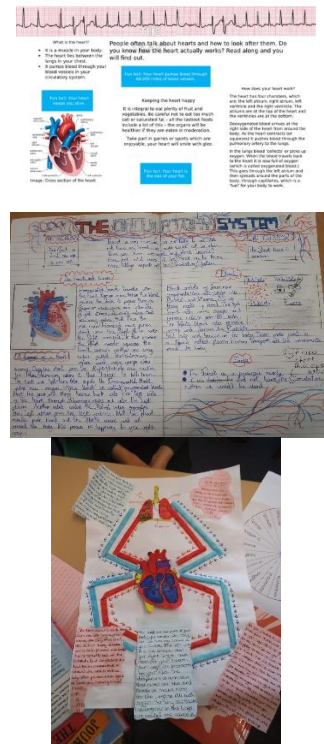# St Mary's Church of England Primary School
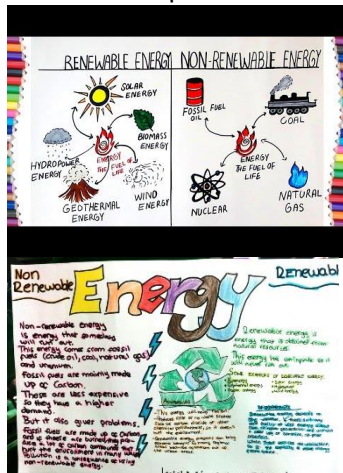
Home Learning

Hello Year Six! I hope you are all okay and staying safe. Try your best at the home learning this week. You are all doing so well – you are home learning heroes!

Class 6	Monday 18.1.2021	Tuesday 19.1.2021	Wednesday 20.1.2021	Thursday 21.1.2021	Friday 22.1.2021
Maths	**Activity 1 - Maths starter:** Complete the maths starter set for you by Miss Berman. Scroll down to find it – it will be under today's date. **Activity 2:** Watch the learning video. Pause and complete the questions when prompted. Spr6.2.3 - Division to solve problems on Vimeo **Activity 3:** The worksheet linked to the video can be found below. Scroll down to find it – it will be under today's date.	**Activity 1 - Maths starter:** Complete the maths starter set for you by Miss Berman. Scroll down to find it – it will be under today's date. **Activity 2:** Watch the learning video. Pause and complete the questions when prompted. Spr6.2.4 - Decimals as fractions on Vimeo **Activity 3:** The worksheet linked to the video can be found below. Scroll down to find it – it will be under today's date.	**Activity 1 - Maths starter:** Complete the maths starter set for you by Miss Berman. Scroll down to find it – it will be under today's date. **Activity 2:** Watch the learning video. Pause and complete the questions when prompted. Spr6.2.5 - Fractions to decimals (1) on Vimeo **Activity 3:** The worksheet linked to the video can be found below. Scroll down to find it – it will be under today's date.	**Activity 1 - Maths starter:** Complete the maths starter set for you by Miss Berman. Scroll down to find it – it will be under today's date. **Activity 2:** Watch the learning video. Pause and complete the questions when prompted. Spr6.3.1 - Fractions to decimals (2) on Vimeo **Activity 3:** The worksheet linked to the video can be found below. Scroll down to find it – it will be under today's date.	**Activity 1 - Maths starter:** Play hit the button! Try to challenge yourself. Hit the Button - Quick fire maths practice for 5-11 year olds (topmarks.co.uk) **Activity 2:** Use your decimal knowledge to complete the decimal riddle questions! Scroll down to find your questions to complete for today. They will be under today's date. The answers will be at the end of this document.

Literacy	**Activity 1 - Spelling Words:** Use a strategy of your choice to learn the spellings for this week. - Considerable - Determined - Communication - Rhythm - Development - Vicious - Delicious - Atrocious - Precious - Spacious **Activity 2:** Read chapter 7 'Talking'. The chapter can be found on the website under the home learning timetable. **Activity 3:** This week, we are going to be writing a non-chronological report all about the heart and how it works. What is a non-chronological report? Watch the learning video which explains what they are: How to write a non-	**Activity 1 - Spelling Words:** Use a strategy of your choice to learn the spellings for this week. - Considerable - Determined - Communication - Rhythm - Development - Vicious - Delicious - Atrocious - Precious - Spacious **Activity 2:** Read chapter 8 'The Announcement'. The chapter can be found on the website under the home learning timetable. **Activity 3:** Today, you are going to be draft writing your non-chronological report all about the heart. If you need to watch the video again from yesterday, you can do that. Writing:	**Activity 1 – Spelling Words:** Use a strategy of your choice to learn the spellings for this week. - Considerable - Determined - Communication - Rhythm - Development - Vicious - Delicious - Atrocious - Precious - Spacious **Activity 2:** Read chapter 9 'Messages'. The chapter can be found on the website under the home learning timetable. **Activity 3:** Editing! Yesterday, you draft wrote your non-chronological report all about the heart. Today, you are going to be editing it. I will include a list of grammar that would be fantastic to include in your writing. When you are	**Activity 1 – Spelling Words:** Use a strategy of your choice to learn the spellings for this week. - Considerable - Determined - Communication - Rhythm - Development - Vicious - Delicious - Atrocious - Precious - Spacious **Activity 2:** Read chapter 10 'Preparation'. The chapter can be found on the website under the home learning timetable. **Activity 3:** Publishing! Today, you are going to write your non-chronological report out in neat! You are going to have to plan how your page is going to look. Where is the title going? Are you going to write in boxes?	**Activity 1 – Spelling Test**: what was your score this week? **Activity 2:** Read chapter 11 'Life Lessons'. The chapter can be found on the website under the home learning timetable. **Activity 3:** Answer these questions about the chapter you have just read. - What baby name does Cameron decide upon and why? - Give examples from the text that demonstrate that Cameron feels responsible for his parents' problems. - What 'life lessons' would you like to teach a younger brother or sister?

	chronological report - BBC Teach Today you will be gathering your research. Think about what you are going to include in a report all about the heart. Here are the areas I would research: - What is a heart? - How does your heart work? - What is the hearts role in the circulatory system? - How to keep your heart healthy. - Include a diagram (you have done this in science so you have a head start). - Fun facts Remember, your research only has to be in note form. You will be draft writing, editing then publishing!	• You will need to start by thinking of a title. • Now, write an introduction. It only needs to be short (about 3 or 4 sentences). It will explain what the report is going to be about. • Write your paragraphs in full sentences. Each paragraph needs to be about a theme (the areas you researched yesterday). • Lastly, write a summary. This only has to be a few sentences to summarise all the research.	editing, try to include each of these. Grammar and Punctuation to include: - A relative clause. What are relative clauses? - BBC Bitesize - A modal verb. What are modal verbs? - BBC Bitesize - A fronted adverbial. What is a fronted adverbial? - BBC Bitesize - A subordinating conjunction. What are subordinating conjunctions? - BBC Bitesize - A coordinating conjunction. What are coordinating conjunctions? - BBC Bitesize - A semi colon. How to use a semi-colon - BBC Bitesize	Where are the diagrams going to be drawn? Here are some examples from children. You may need to zoom in to have a closer look.	
Other Activities	**Geography** **Activity 1:** What are renewable and non-renewable energy sources?	**Art** **Activity 1:** Draw a sea animal of your choice! There are lots of tutorials on this YouTube channel:	**PSHE** We are all people living together in one world. As human beings, we have a number of rights and	**RE** **Activity 1:** Why do Muslims go on a pilgrimage?	**Science** What are the components of blood? **Activity 1:**

	Watch the learning video: [What is renewable and non-renewable energy? - BBC Bitesize](#) **Activity 2:** Make a fact file or poster about renewable vs non-renewable energy. Your poster will need to explain what renewable and non-renewable energy is and include some examples. Here are some poster and fact file examples: 	[art hub for kids sea animals - YouTube](#) You could choose to follow a tutorial or draw yourself! Once you have drawn your sea animal, you could colour it, paint it or even collage it!	responsibilities to ourselves and each other. • Can you think of all the rights you have? • Can you think of the responsibilities you have to yourself and others? **Activity 1:** Complete the table, filling in your rights and responsibilities: 	[Religious Studies KS2: The Muslim pilgrimage, Hajj - BBC Teach](#) **Activity 2:** Draw a picture of Mecca. Your picture could be similar to the model of the city used in the video. **Activity 3:** Write around or underneath your picture facts about what Muslims do on the pilgrimage and why. Use the video to help you.	Watch these learning videos: [Components of Blood and their function - YouTube](#) [What is in your blood? - BBC Bitesize](#) **Activity 2:** Write down the job of each component: Red blood cells, white blood cells, platelets and plasma. **Activity 3:** Draw a picture to represent blood. Take a look at these creative examples:
Thinking Time	Drawing helps many people to relax. I know you all like to draw and	Take a short walk with an adult. Before you go, make a list of 5 random	Think of a place. It can be any place you like – just not imaginary!	Challenge: PANGRAMS	Complete an act of kindness today.

	probably miss your doodle books at school! Choose one of the drawings to complete from this YouTube channel: [Art for Kids Hub - YouTube](#) What did you decide to draw? I would love to see!	things you want to try and take a photograph of! I wonder if you manage to capture all five things! My five things would be: flowers, a road sign, a yellow car, an animal and a dustbin. The more random, the better! If you can't get outside, why not try a walk around your house or garden!	Write down 2 things you would hear, see, taste, smell and feel at this place. Can someone in your house guess the place you were thinking of just from the senses? For example: Hear: ice cream van, waves. See: seagulls, bucket & spade. Taste: Salty air, fish & chips. Smell: fish & chips, picnic food. Feel: sand, cold water on my feet. Can you guess the place I was thinking of?	Pangrams are sentences which have every letter of the alphabet in. Take a look at the example: The quick brown fox jumps over the lazy dog. Can you think of your own pangram?	Have you already completed your act of kindness? What was it? Maybe you made your own breakfast, tidied you room, helped someone at home or did some of the washing up. My act of kindness today will be to make cookies after school as a Friday treat for my family. Cookies always make people happy! I wonder what your act of kindness is going to be.
Exercise and break times	Try to complete a form of exercise today. Maybe you could make an obstacle course, complete a YouTube workout, try some yoga, play in the garden or even go for a walk! If you come up with your own workout routine or an at home obstacle course, let me know and I will see if I can try it out for myself because I am missing our PE lessons with Dean!				

Maths Starter 18.1.21 – scroll to find the answers.

Starter 1 — Mild

Work out the values of each emoji and find the answer to the final equation

😎 + 😎 + 😎 = 30

😀 + 😎 + 😎 = 25

😜 + 😜 + 😎 = 22

😀 × 😜 + 😎 = ?

Starter 1 — Medium

Work out the values of each part of the burger and answer the final equation.

🍔 × 🍔 × 🍔 = 8

🍔 + 🍔 = 10

🍔 + 🍔 = 16

🍔 = 15

🍔 + 🍔 + 🍔 = ?

Starter 1 — Hot

Work out the values of each shape and answer the final equation

▭ + ▭ + △ = 27

△ + △ + ⬤ = 26

▭ + ⬤ + ▭ = 32

⬤ + ▭ + △ =

Maths Worksheet 18.1.21 – scroll to find the answers.

Division to solve problems

1 There are 1,360 children in a school.
A quarter of the children walk to school.
How many children walk to school?

2 Huan has saved his pocket money for 5 weeks.
He gets the same pocket money every week.
He has saved £16.65
How much pocket money does Huan get each week?

3 Tom is running a 6-kilometre race.
He has run one-third of the race so far.
How many more kilometres does Tom have left to run?

4 Dora, Ron and Teddy are making paper chains.

My paper chain is 1.1 m long.

Dora's paper chain is twice as long as mine.

Dora

My paper chain is three times longer than Ron's.

Ron

Teddy

a) How long is Ron's paper chain?
b) How long is Teddy's paper chain?

5 A water bottle holds 2 litres.
A leak in the bottle means 25 ml drips out each day.
How many days will it take until the bottle is empty?

6 a) A school bus can hold 30 people.
There are 726 children going on a school trip.
How many buses are needed?

b) A cake needs 4 eggs.
How many cakes can be made from 345 eggs?

7 Shop A sells 5 tins of paint for £23.40
Shop B sells 3 tins of the same paint for £14.01
Which shop should Aisha buy her paint from?
Explain your reasoning.

8 146 ÷ 5 = 29 remainder 1
117 ÷ 4 = 29 remainder 1

This means that
117 ÷ 4 = 146 ÷ 5
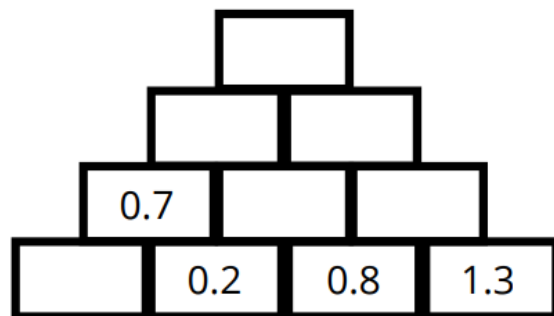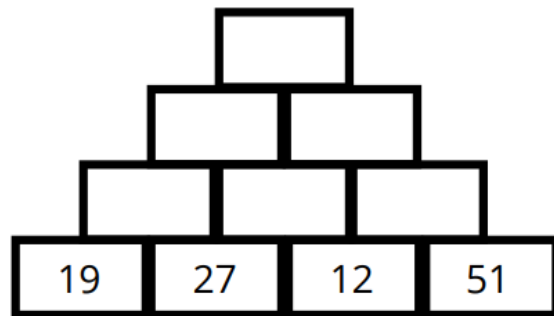
Do you agree with Whitney?
Explain your thinking.

9 I'm thinking of a 3-digit number.
When I divide it by 5, I am left with a remainder of 3
When I divide it by 10, I am left with a remainder of 8
It rounds to 200 to the nearest 100
It has one hundred.
What could my number be?

Create your own problem like this for a partner.

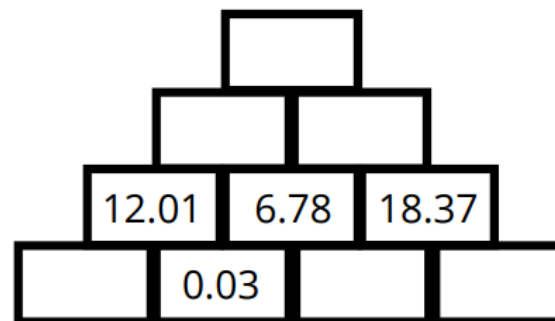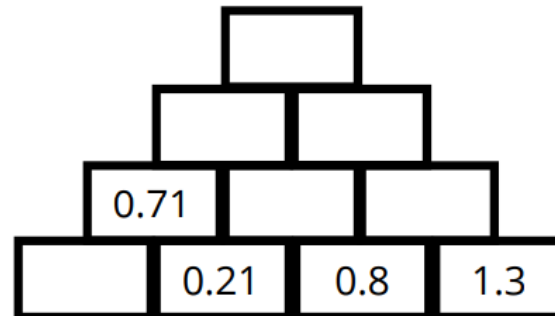**Maths Starter 19.1.21 – scroll to find the answers.**

Mild

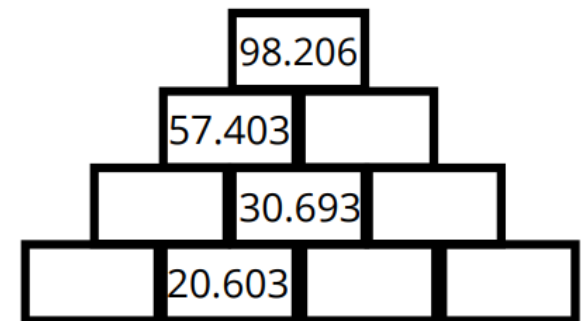Add two adjoining numbers and write the total in the box above

Pyramid 1:
Bottom row: 19, 27, 12, 51

Pyramid 2:
Third row (from bottom): 0.7
Bottom row: (blank), 0.2, 0.8, 1.3

Medium

Add two adjoining numbers and write the total in the box above

Pyramid 1:
Third row (from bottom): 0.71
Bottom row: (blank), 0.21, 0.8, 1.3

Pyramid 2:
Third row (from bottom): 12.01, 6.78, 18.37
Bottom row: (blank), 0.03, (blank), (blank)

Hot

Add two adjoining numbers and write the total in the box above

Pyramid 1:
Top: 6.936
Third row (from bottom): 1.65, 2.626
Bottom row: 0.98, (blank), 1.62, (blank)

Pyramid 2:
Top: 98.206
57.403
30.693
Bottom row: (blank), 20.603, (blank), (blank)

Maths Worksheet 19.1.21 – scroll to find the answers.
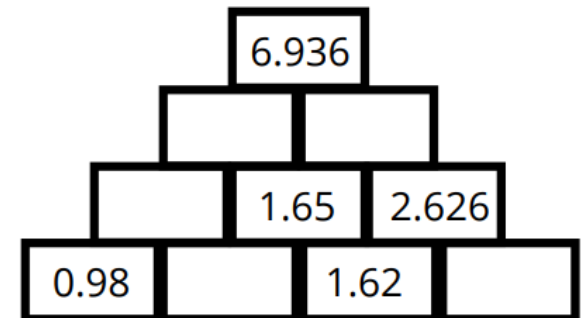
Don't worry about shading in the hundred squares. Just complete the sentence.

Decimals as fractions

1 Complete the sentences.

a)

0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

The whole has been divided into ☐ equal parts.

Each part is worth ☐

This is equivalent to ☐
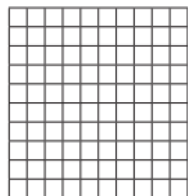
b)

The whole has been divided into ☐ equal parts.

Each part is worth ☐

☐ parts out of ☐ are shaded.

This is equivalent to ☐

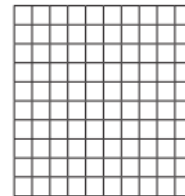**2** a) Shade 0.17 of the hundred square.

Complete the sentence.

☐ parts out of ☐ are shaded.

Write 0.17 as a fraction.

$0.17 =$ ☐

b) Shade 0.2 of the hundred square.

Complete the sentence.

☐ parts out of ☐ are shaded.

Write 0.2 as a fraction in its simplest form.

$0.2 =$ ☐

3

0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

0.2	0.2	0.2	0.2	0.2

Use the bar models to fill in the missing numbers.

$0.2 = \dfrac{\square}{10} = \dfrac{1}{\square}$ $0.4 = \dfrac{\square}{10} = \dfrac{2}{\square}$ $\square = \dfrac{\square}{10} = \dfrac{4}{5}$

4 Fill in the missing numbers.

a) $0.54 = \dfrac{\square}{100} = \dfrac{\square}{50}$

b) $0.6 = \dfrac{\square}{10} = \dfrac{\square}{5}$

c) $0.3 = \dfrac{\square}{10} = \dfrac{\square}{100}$

d) $\square = \dfrac{9}{100}$

e) $\square = \dfrac{9}{10}$

f) $\dfrac{21}{50} = \dfrac{\square}{100} = \square$

546

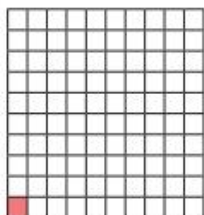| Mild	Medium	Hot
Round to nearest 10	Round to nearest 10 and 100	Round to nearest 10 and 100
Divide by 100 Multiply by 10	Divide by 100 Multiply by 10	Divide by 1,000 Multiply by 100
Multiply by 12 Divide by 6	Multiply by 24 Divide by 14	Multiply by 46 Divide by 26

Maths Worksheet 20.1.21 – scroll to find the answers.

Fractions to decimals (1)
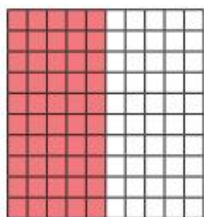
1 Complete the sentences.

a)

Each square represents $\frac{\square}{100}$

$\frac{\square}{100}$ of the whole square is shaded.

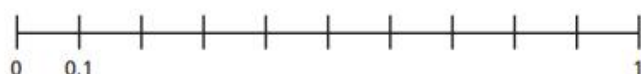This is equivalent to $\boxed{}$ as a decimal.

b)

$\frac{\square}{100}$ of the whole square is shaded.

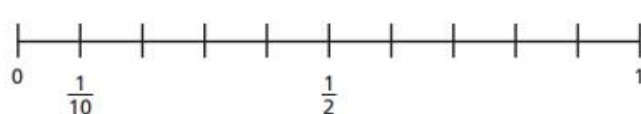This can be simplified to $\frac{\square}{\square}$

This is equivalent to $\boxed{}$ as a decimal.

2 a)

0   0.1   1

b)

0    $\frac{1}{10}$ $\frac{1}{2}$ 1

What is the same and what is different about the number lines?

3 To convert a fraction to a decimal, you can use equivalent fractions to make the denominator 100

$\times 2$

$\frac{12}{50} = \frac{24}{100} = 0.24$

$\times 2$

Use this method to find the equivalent decimals for the fractions.

a) $\frac{28}{50} = \frac{\square}{100} = \boxed{}$

b) $\frac{6}{20} = \frac{\square}{100} = \boxed{}$

c) $\frac{9}{25} = \frac{\square}{100} = \boxed{}$

d) $\frac{24}{200} = \frac{\square}{100} = \boxed{}$

4 Some fractions can be converted to have a denominator of 1,000 to find their decimal equivalent.

$\times 2$

$\frac{62}{500} = \frac{124}{1000} = 0.124$

$\times 2$

a) $\frac{27}{500} = \frac{\square}{1000} = \boxed{}$

b) $\frac{62}{250} = \frac{\square}{1000} = \boxed{}$

c) $\frac{51}{200} = \frac{\square}{1000} = \boxed{}$

d) $\frac{128}{2000} = \frac{\square}{1000} = \boxed{}$

Maths Starter 21.1.21 – scroll to find the answers.

Can you put the digits 1 to 9 in a square
so that every row, column and diagonal
add to 15?

This example doesn't work:

1	3	5	→9
9	6	4	→19
2	7	8	→17

13↙   ↓12 ↓16 ↓17   ↘15

Maths Worksheet 21.1.21 – scroll to find the answers.

Fractions to decimals (2)

1 Fractions can be expressed as divisions.

For example, $\frac{1}{2} = 1 \div 2$

Write the fractions as divisions.

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

b) $\frac{2}{3} = \boxed{} \div \boxed{}$

c) $\frac{4}{7} = \boxed{} \div \boxed{}$

d) $\dfrac{\boxed{}}{\boxed{}} = 3 \div 5$

e) $\dfrac{\boxed{}}{7} = 3 \div \boxed{}$

f) $\frac{1}{10} = \boxed{} \div \boxed{}$

2 Use place value counters to find the decimal equivalent of $\frac{2}{5}$

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

3 Fractions can be converted to decimals by using the short division method.

For example, $\frac{1}{8} = 1 \div 8$

	0 .	1	2	5
8	1 .	¹0	²0	⁴0

$\frac{1}{8} = 0.125$

Use the short division method to find the decimal equivalent of the fractions.

a) $\frac{1}{4}$

b) $\frac{4}{5}$

c) $\frac{3}{8}$

4 Find the decimal equivalents for these fractions.

a) $\frac{7}{8}$

b) $\frac{7}{5}$

c) $\frac{1}{16}$

d) $\frac{9}{16}$

5

To find $\frac{19}{20}$ as a decimal, I found $\frac{1}{20}$ as a decimal, then took it away from 1

Here is Dora's working out.

		0 .	0	5
2	0	1 .	¹0	¹⁰0

$1 - 0.05 = 0.95$

$\frac{19}{20} = 0.95$

Use Dora's method to find the decimal equivalent for $\frac{49}{50}$

Maths Questions 22.1.21 – scroll to find the answers.

1)

What is the number?

- the number has 2 digits
- the number is less than 10
- the tenths digit is 1 more than the ones digit
- the digits add up to 7

2)

What is the number?

- the number has 2 digits
- the number is more than 5
- the ones digit is more than double the tenths digit
- the digits add up to 11
- the ones digit is even

3)

What is the number?

- the number has 3 digits
- the number is less than 30
- the tenths digit is equal to the sum of the tens and ones digits
- the number has odd and even digits
- the number is greater than 20
- the ones digit is half of 10

4)

What is the number?

- the number has 3 digits
- the number is greater than 70
- the sum of the tens and ones digits is 10
- none of the digits are greater than 7
- the tenths digit is one less than the tens digit

5)

What is the number?

- the number has 3 digits
- the number is less than 10
- one of the digits is a 0
- the sum of all the digits is 9
- add 0.98 to the number to get a whole number

6)

What is the number?

- the number has 3 digits
- the number is less than 5
- the ones digit is half of the tenths digit
- one of the digits is a 1
- two of the digits are even
- the number is greater than 3

Maths Starter Answers:

Starter 1

😀 x 😜 + 😎 = **40**

🍔 + 🍔 + 🍔 = **29**

🟦 = 10   🔺 = 7   🟣 = 12

🟣 + 🟦 + 🔺 = 29

Starter 2

Mild			

Pyramid 1:
	187		
	85	102	
46	39	63	
19	27	12	51

Pyramid 2:
	4.8		
	1.7	3.1	
0.7	1	2.1	
0.5	0.2	0.8	1.3

Medium			

Pyramid 3:
	4.83		
	1.72	3.11	
0.71	1.01	2.1	
0.5	0.21	0.8	1.3

Pyramid 4:
	43.94		
	18.79	25.15	
12.01	6.78	18.37	
11.98	0.03	6.75	11.62

Hot			

Pyramid 5:
	6.936		
	2.66	4.276	
1.01	1.65	2.626	
0.98	0.03	1.62	1.006

Pyramid 6:
	98.206		
	57.403	40.803	
26.71	30.693	10.11	
6.107	20.603	10.09	0.02

Starter 4

Here is one example. Did you find any other ways to answer?

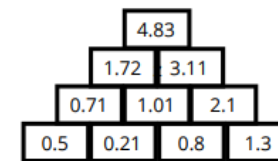| 8	1	6	=15
3	5	7	=15
4	9	2	=15
=15	=15	=15	

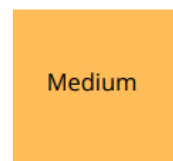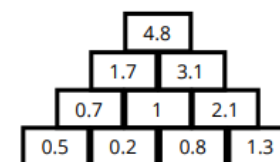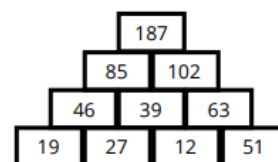## Starter 3

Mild: 550, 5.46, 5460, 6552, 91

Medium: 550, 500, 5.46, 5460, 13104, 39

Hot: 550, 500, 0.546, 54600, 25116, 21

Maths Worksheet Answers 18.1.21

1. **340**
2. **£3.33**
3. **4km**
4. **a. 0.55m b. 1.65m**
5. **80**
6. **a. 25 b. 86**
7. **B. Shop A is £4.68 per tin. Shop B is £4.67 per tin so shop B is cheaper.**
8. **No. The remainder isn't worth the same amount. 146 ÷ 5 = 29.2   117 ÷ 4 = 29.25**
9. **1 _ 8   in the gap could be 5,6,7,8 or 9.**

Maths Worksheet Answers 19.1.21

1 Complete the sentences.

a)

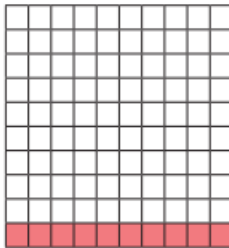| 0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

The whole has been divided into **10** equal parts.

Each part is worth **0·1**

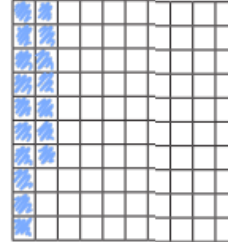This is equivalent to $\frac{1}{10}$

b)

The whole has been divided into **100** equal parts.

Each part is worth **0·01**

10 parts out of **100** are shaded.

This is equivalent to $\frac{10}{100}$ or $\frac{1}{10}$

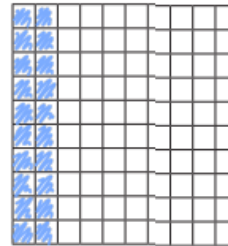**2** **a)** Shade 0.17 of the hundred square.

Complete the sentence.

17 parts out of **100** are shaded.

Write 0.17 as a fraction.
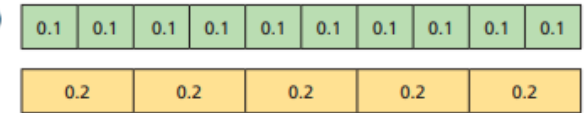
$0.17 = \frac{17}{100}$

b) Shade 0.2 of the hundred square.

Complete the sentence.

20 parts out of **100** are shaded.

Write 0.2 as a fraction in its simplest form.

$0.2 = \frac{1}{5}$

3

0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

0.2	0.2	0.2	0.2	0.2

Use the bar models to fill in the missing numbers.

$0.2 = \frac{2}{10} = \frac{1}{5}$

$0.4 = \frac{4}{10} = \frac{2}{5}$

$0·8 = \frac{8}{10} = \frac{4}{5}$

4 Fill in the missing numbers.

a) $0.54 = \frac{54}{100} = \frac{27}{50}$

b) $0.6 = \frac{6}{10} = \frac{3}{5}$

c) $0.3 = \frac{3}{10} = \frac{30}{100}$

d) $0·09 = \frac{9}{100}$

e) $0·9 = \frac{9}{10}$

f) $\frac{21}{50} = \frac{42}{100} = 0·42$

Maths Worksheet Answers 20.1.21

1a.

Each square represents $\dfrac{1}{100}$

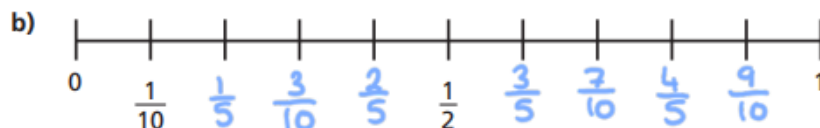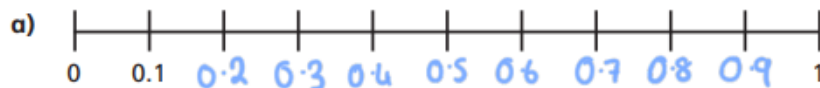$\dfrac{1}{100}$ of the whole square is shaded.

This is equivalent to $\boxed{0.01}$ as a decimal.

1b.

$\dfrac{50}{100}$ of the whole square is shaded.

This can be simplified to $\dfrac{1}{2}$

This is equivalent to $\boxed{0.5}$ as a decimal.

2 a)

0   0.1   0.2   0.3   0.4   0.5   0.6   0.7   0.8   0.9   1

b)

0   $\dfrac{1}{10}$ $\dfrac{1}{5}$ $\dfrac{3}{10}$ $\dfrac{2}{5}$ $\dfrac{1}{2}$ $\dfrac{3}{5}$ $\dfrac{7}{10}$ $\dfrac{4}{5}$ $\dfrac{9}{10}$ 1

What is the same and what is different about the number lines?

3 To convert a fraction to a decimal, you can use equivalent fractions to make the denominator 100

a) $\dfrac{28}{50} = \dfrac{56}{100} = \boxed{0.56}$

c) $\dfrac{9}{25} = \dfrac{36}{100} = \boxed{0.36}$

b) $\dfrac{6}{20} = \dfrac{30}{100} = \boxed{0.3}$

d) $\dfrac{24}{200} = \dfrac{12}{100} = \boxed{0.12}$

4 Some fractions can be converted to have a denominator of 1,000 to find their decimal equivalent.

a) $\dfrac{27}{500} = \dfrac{54}{1000} = \boxed{0.054}$

b) $\dfrac{62}{250} = \dfrac{248}{1000} = \boxed{0.248}$

c) $\dfrac{51}{200} = \dfrac{255}{1000} = \boxed{0.255}$

d) $\dfrac{128}{2,000} = \dfrac{64}{1000} = \boxed{0.064}$

Maths Worksheet Answers 21.1.21

1 Fractions can be expressed as divisions.

For example, $\frac{1}{2} = 1 \div 2$

Write the fractions as divisions.

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

b) $\frac{2}{3} = \boxed{2} \div \boxed{3}$

c) $\frac{4}{7} = \boxed{4} \div \boxed{7}$

d) $\frac{3}{5} = 3 \div 5$

e) $\frac{3}{7} = 3 \div \boxed{7}$

f) $\frac{1}{10} = \boxed{1} \div \boxed{10}$

2 Use place value counters to find the decimal equivalent of $\frac{2}{5}$

You can draw on the place value chart to help you with exchanging
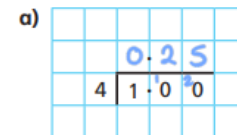
$\frac{2}{5} = 2 \div 5 = \boxed{0.4}$
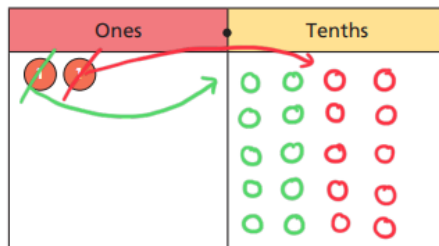
Ones	Tenths

3 Fractions can be converted to decimals by using the short division method.

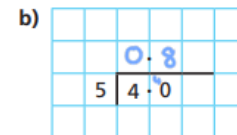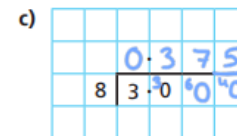For example, $\frac{1}{8} = 1 \div 8$

$\frac{0 \cdot 1 \ 2 \ 5}{8 \ | \ 1 \cdot {}^10 \ {}^20 \ {}^40}$

$\frac{1}{8} = 0.125$

Use the short division method to find the decimal equivalent of the fractions.

a)
$\frac{0 \cdot 2 \ 5}{4 \ | \ 1 \cdot {}^10 \ {}^20}$

$\frac{1}{4} = \boxed{0 \cdot 25}$

b)
$\frac{0 \cdot 8}{5 \ | \ 4 \cdot 0}$

$\frac{4}{5} = \boxed{0 \cdot 8}$

c)
$\frac{0 \cdot 3 \ 7 \ 5}{8 \ | \ 3 \cdot {}^30 \ {}^60 \ {}^40}$
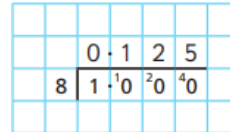
$\frac{3}{8} = \boxed{0 \cdot 375}$

4 Find the decimal equivalents

a) $\frac{7}{8} = \boxed{0 \cdot 875}$

b) $\frac{7}{5} = \boxed{1 \cdot 4}$

c) $\frac{1}{16} = \boxed{0 \cdot 0625}$

d) $\frac{9}{16} = \boxed{0 \cdot 5625}$

Decimal Place Value Riddles

Answers

1. 3.4
2. 8.3
3. 25.7
4. 73.6
5. 7.02
6. 4.81