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! Please continue sending your work to me. I love seeing your brilliant learning!

Class 6	Monday 8.2.2021	Tuesday 9.2.2021	Wednesday 10.2.2021	Thursday 11.2.2021	Friday 12.2.2021
Maths	**Activity 1: Number of the day!** **12,345** • Write it in words. • Round to the nearest 10, 100 and 1000. • Multiply by 10, 100 and 1000. • Divide by 10, 100 and 1000. • Add 11,347. • Subtract 1,122. • Double it (x2). • Half it (÷2). Use a calculator, a phone or google to check your answers.	**Activity 1: Number of the day!** **23,981** • Write it in words. • Round to the nearest 10, 100 and 1000. • Multiply by 10, 100 and 1000. • Divide by 10, 100 and 1000. • Add 22,345. • Subtract 12,111. • Double it (x2). • Half it (÷2). Use a calculator, a phone or google to check your answers.	**Wonderful Wednesday!** Today is a day where there is no online learning. Instead, you can try out some different activities! The Wonderful Wednesday activities can be found on the school website. Please send me photographs of the activities you choose to complete. I would love to see what you get up to!	**Activity 1: Number of the day!** **45,548** • Write it in words. • Round to the nearest 10, 100 and 1000. • Multiply by 10, 100 and 1000. • Divide by 10, 100 and 1000. • Add 992. • Subtract 1,619. • Double it (x2). • Half it (÷2). Use a calculator, a phone or google to check your answers.	**Activity 1: Number of the day!** **76,123** • Write it in words. • Round to the nearest 10, 100 and 1000. • Multiply by 10, 100 and 1000. • Divide by 10, 100 and 1000. • Add 13,856. • Subtract 5,004. • Double it (x2). • Half it (÷2). Use a calculator, a phone or google to check your answers.

	Activity 2:	Activity 2:		Activity 2:	Activity 2:
	Maths starter	**Maths starter**		**Maths starter**	**Maths starter**
	Complete the maths starter set for you by Miss Berman. Scroll down to find it under today's date.	Complete the maths starter set for you by Miss Berman. Scroll down to find it under today's date.		Complete the maths starter set for you by Miss Berman. Scroll down to find it under today's date.	Choose a game to practise your mental maths! https://www.topmarks.co.uk/maths-games/7-11-years/mental-maths
	Activity 3: This week, we are going to revise some key areas taught this term. Today you will be revising multiplying and dividing by 10, 100 and 1,000. Read the information from these websites: Multiply decimals by 10, 100, 1000 - - Year 6 - P7 - Maths - Catch Up Lessons - Home Learning with BBC Bitesize - BBC Bitesize Understanding common factors - Year 6 - P7 - Maths - Catch Up Lessons - Home Learning with BBC Bitesize - BBC Bitesize	**Activity 3:** Today you will be revising multiplying decimal numbers by an integer. Watch the learning video to remind yourself of the different methods you could use: Year 6 - Week 5 - Lesson 2 - Multiply decimals by integers on Vimeo		**Activity 3:** Today you will be revising dividing decimal numbers by an integer. Watch the learning video to remind yourself of the different methods you could use: Year 6 - Week 5 - Lesson 3 - Divide decimals by integers on Vimeo	**Activity 3:** Today you will be revising equivalent fractions, decimals and percentages. Watch the learning video: Converting fractions, decimals and percentages	Maths - Kick Sum Maths - YouTube

	Activity 4: Complete the questions on worksheet A, B and C. Scroll down to find the questions under today's date. **Activity 5:** Try these online questions. Number (x and divide by 10,100,100) and rounding - Quiz (wordwall.net)	**Activity 4:** Complete the worksheet. Scroll down to find it under today's date. **Activity 5:** Try these online questions. There are lots of interactive templates on the right-hand side to try out. I like the gameshow quiz! multiply-decimal-by-whole-number - Find the match (wordwall.net)		**Activity 4:** Complete the worksheet. Scroll down to find it under today's date. **Activity 5:** Complete the gameshow quiz! Divide Reveal - Flip tiles (wordwall.net)	**Activity 4:** Complete the code breaker activity. Scroll down to find it under today's date. **Activity 5:** Complete the quiz! Fraction decimal percentage - Quiz (wordwall.net)
Literacy	**Activity 1:** **Spelling Words** Use a strategy of your choice to learn the spellings for this week. Here is a list of spelling strategies you could use: Spelling-Menu-of-Activities.pdf (windynookprimary.org) • Ancient • Cemetery • Prejudice • Disastrous • Frequently	**Activity 1:** **Spelling Words** Use a strategy of your choice to learn the spellings for this week. Here is a list of spelling strategies you could use: Spelling-Menu-of-Activities.pdf (windynookprimary.org) • Ancient • Cemetery • Prejudice • Disastrous • Frequently • Author		**Activity 1:** **Spelling Words** Use a strategy of your choice to learn the spellings for this week. Here is a list of spelling strategies you could use: Spelling-Menu-of-Activities.pdf (windynookprimary.org) • Ancient • Cemetery • Prejudice • Disastrous • Frequently	**Activity 1:** **Spelling Test** What was your score this week? I would love to know!

	• Author • Horror • Calculator • Narrator • Decorator	• Horror • Calculator • Narrator • Decorator		• Author • Horror • Calculator • Narrator • Decorator	
	Activity 2: **Grammar Practise** Watch the revision video, read the information and test your knowledge by taking the quiz! What are relative clauses? - BBC Bitesize	**Activity 2:** **Grammar Practise** Watch the revision video, read the information and test your knowledge by taking the quiz! What are subordinating conjunctions? - BBC Bitesize		**Activity 2:** **Grammar Practise** Watch the revision video, read the information and test your knowledge by taking the quiz! What are coordinating conjunctions? - BBC Bitesize	**Activity 2:** **Grammar Practise** Watch the revision video, read the information and test your knowledge by taking the quiz! What is an expanded noun phrase? - BBC Bitesize
	Activity 3: **Reading** Read chapter 21 and 22.	**Activity 3:** **Reading** Read chapter 23 and 24.		**Activity 3:** **Reading** Read chapter 25 and 26.	**Activity 3:** **Reading** Read chapter 27 of our class novel.
	Activity 4: Answer these comprehension questions: 1. What does 'exhilarated' mean? 2. Why does Cam still have weekly check-ups?	**Activity 4:** Answer these comprehension questions: 1. What does it mean if you are 'intrigued'? 2. Find and copy a phrase which means 'wouldn't listen'. 3. Why was Mum mad that Cam made his own way home?		**Activity 4:** Design a front cover for Pig Heart Boy. Once you have designed, drawn and coloured your front cover, write a paragraph to explain your design choices linked to the book.	**Activity 4:** Writing a book review! You can present your book review in any way you choose. Things you need to include: • Title and author • Genre

3. How do Cam's friends feel about his new found 'confidence'? 4. What do you think is going to happen now that someone has attacked Cam in the street? 5. What day does Dr Bryce visit Cam? 6. How do you think Cam will continue now that he is starting to doubt his decision? 7. Explain why the author repeats the phrase 'I am not going to cry' at the end of the message to Alex. 8. Why doesn't Cam want to press charges? 9. What is Cam's opinion on animal experimentation? 10. How long was Cam's shower?	4. How do you think Cam felt seeing Dr Bryce? 5. Explain the news that Dr Bryce shared with the family and how this could have serious consequences for Cam. 6. Why do you think touching the pool was such a big deal to Cam? 7. How do you think Marlon felt watching Cam in the pool? 8. What day does Marlon usually swim? 9. What happened when Cam dived into the pool? 10. Summarise the different emotions Cam experiences in this chapter and what causes them.		Why did you draw a certain picture for the front cover? **Activity 5:** Write a blurb for the book. You have got to summarise the story without giving too much away! You could leave the blurb on a cliff hanger! Please send a photograph of your new front cover. I would love to see all your creative designs!	• Rating • Picture of the book. • Summary of the plot. • Favourite character and why. • Would you recommend the book? Why/why not? Send me a photograph of your book review. I would love to see what you thought about the book!

Other Activities	Geography	Music		RE	Science
	Geography	**Music**		**RE**	**Science**
	Activity 1:	**Activity 1:**		**Activity 1:**	**Activity 1:**
	Have a look in your fridge or cupboards. Write down 10 items that are packaged in plastic. Are all these plastics recyclable? What do you think happens to these plastics?	It's time to make a kitchen utensil band! First, make sure the adults in the house are OK with this, and maybe even get them to join in too.		Watch these video clips about the Qur'an: The Qur'an | Religious Studies - My Life, My Religion: Islam - YouTube	Watch these video clips: What is a balanced diet? What is a balanced diet? - BBC Bitesize
	Activity 2:	Find some suitable items from the kitchen that you think will make some good sounds... like a saucepan, spoon, ladle, spatula, whisk etc.		The importance of the Koran - KS2 Religious Education - BBC Bitesize	Why is a healthy lifestyle important? Why is a healthy lifestyle important? - BBC Bitesize
	Watch this video about plastic pollution: https://plprimarystars.s3.amazonaws.com/1542371738-1542361874-PLPS_Ocean_Pt2.mp4_1280x720_4.mp4			**Activity 2:** Create a spider diagram all about the things you have learnt about the Qur'an.	What do humans need to stay healthy? What do humans need to stay healthy? - KS2 Science - BBC Bitesize
	Consider these questions:	Using a grid separated into four beats, make a graphic score showing when each sound is going to be made.			
	• What happens to the plastic that we use?	Take a look at this example: Week 1 - Kitchen Utensil Band (Example and Template) (derbyshiremusichub.org.uk)		**Activity 3:** I want you to think back to everything you have learnt about Islam this term and answer this question:	**Activity 2:** Using the information from the videos and all you have learnt this term, I would like you to make a leaflet all about keeping healthy.
	• Where does most plastic end up?				
	• What are some of the effects of plastic pollution?	Listen to this cool example of kitchen utensil music: KITCHEN MUSIC! - YouTube		Who are Muslim people and what do they believe?	Use a piece of A4 paper to make your leaflet. Think about how you are going to fold it.
	• Can you think of any other harms of plastic pollution?	You could even record your band playing kitchen utensil music! If you do, I would love to see it!			What you need to include:
	• How could we reduce our use of non-				

	biodegradable plastics? **Activity 3:** Create a leaflet about plastic pollution. You could use these sub-headings: What is plastic pollution? What are the effects of plastic pollution? What can we do to reduce plastic pollution?				• Front cover which includes a title and a picture. • An introduction paragraph to explain what the leaflet is about. • Subheadings E.g. What is a balanced diet? Why do you need to drink water? Why is exercise important? How can you stay healthy? How can you keep your heart happy? • Information and facts about how to keep healthy. The information will need to be written under each subheading. • Pictures and diagrams.

Thinking Time	Think about how you have felt today. Draw or write about your feelings. Did you feel the same all day? How could you make tomorrow better?	Take some time out to relax and follow one of these drawing tutorials. Art for Kids Hub - YouTube		Find a quiet cosy place in your home and spend some time reading or listening to a book.	Go for a walk if you can and collect some natural objects. With everything you have collected, make a collage! It could be a picture of anything you like. Take a look at these examples:
Exercise and break times		PE Bingo: How far can you walk this week? Complete the boxes and cross them off until you get BINGO! Can you beat your score from last week? If you can't get out for a walk, have a go at some of these at home fitness videos! Among us Fitness Challenge: Among Us Fitness Challenge! [Can you find the imposter?!] - YouTube Just Dance: Just Dance - YouTube Squat Challenge: Bring Sally Up Squat Challenge - YouTube Yoga: Yoga For The Classroom - Yoga With Adriene - YouTube			

Maths Starter 8.2.21 – scroll down to find the answers.

Mild

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

😉 + 😉 + 😉 = 15

😂 + 😉 + 😉 = 22

😃 + 😃 + 😉 = 23

😂 × 😃 + 😉 = ?

Medium

Work out the values of the cone and flavour ice cream, then find the answer to the final equation

cone × cone = 9

pink scoop cone = 7

chocolate + chocolate scoop = 18

chocolate/yellow scoop cone = 10

pink/yellow scoop cone = ?

Hot

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

bun + bun + bun = 9

bun + bun + patty + patty = 20

bun + lettuce + patty + patty = 22

bun + tomato + lettuce + patty = 21

full burger + tomato/patty + bun/patty = ?

Maths Worksheet (A) 8.2.21 – scroll down to find the answers.

Multiplying and dividing by 10, 100 and 1000

1. 456.8 × 10

2. 4568 ÷ 10

3. 2.76 × 10

4. 843 ÷ 100

5. 47.3 × 100

6. 783 ÷ 100

7. 45.62 × 100

8. 783.4 ÷ 10

9. 45.74 × 1000

10. 3620 ÷ 1000

11. 348.2 × ⬚ = 3482

12. 34,820 ÷ ⬚ = 34.82

Challenge

Complete the following calculations.

78.43 × ⬚ = 7843   78.43 × ⬚ = 78,430   6450 ÷ ⬚ = 64.5   6450 ÷ ⬚ = 6.45

Complete any empty boxes on this diagram. Watch out - they might be answers or operations...

	0.273

x 1000

x 10

2.73   **27.3**

2730
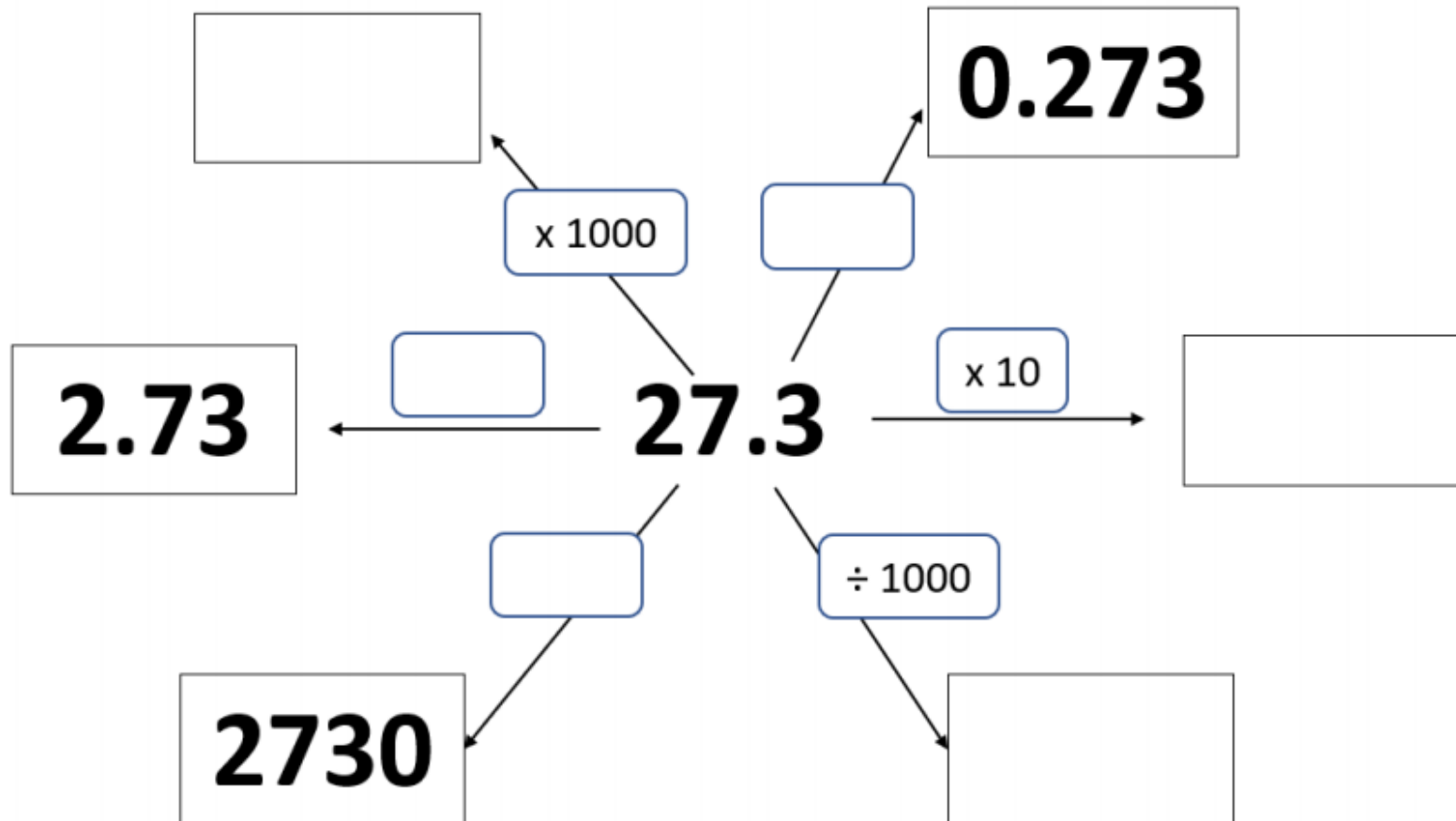
÷ 1000

Divide 47,310 by 10 repeatedly until you get a number that is less than 100.
Write that number.

Fill the empty boxes:

0.15 = 1.5 ☐ 10   5209 = ☐ x 100   ☐ ÷ 100 = 4.7   10.08 = ☐ ÷ 1000

Write the next two numbers in each sequence.

0.41 4.1 ____ ____

2.05 20.5 ____ ____

43,020 4302 ____ ____

True or false?

4030 ÷ 100 = 43   1.09 x 100 = 190   0.09 x 10 = 0.9   7000 ÷ 1000 = 0.7

Use your fraction skills to work out the fractions of each number.

Mild	Medium	Hot
Find 1/2 of:	Find 1/4 of:	Find 1/3 of:
16	20	60
26	200	3
12	12	120
40	120	126
What is 1/4 of:	What is 3/4 of:	What is 2/3 of:
16	20	60
20	12	63
4	120	120
100	100	240

Maths Worksheet 9.2.21 – scroll down to find the answers.

Solve these calculations using a written method.

a) 156.4	b) 345.9	c) 268.6	d) 62.13	e) 34.65	f) 29.13	g) 42.15	h) 89.95	i) 76.84
× 6	× 4	× 3	× 5	× 4	× 8	× 7	× 5	× 3

Solve the following calculations:

Solve these word problems:

j) 423.4 × 6 =   o) 75.65 × 3 =

k) 362.5 × 4 =   p) 64.08 × 4 =

l) 32.68 × 5 =   q) 95.42 × 8 =

m) 63.05 × 7 =

n) 86.25 × 6 =

r) It takes 16.24 metres to make a pair of curtains. How many metres of fabric is needed to make 8 pairs of curtains?

s) Sam earns £25.65 working in the local newsagents each Saturday. How much does he earn after working for 5 weekends in a row?

t) A house is 32.45 metres wide. 6 terraced houses are built in a row. What is the total width of all 6 houses?

Use your skills of multiplication and division to work out the answers.

Mild	Medium	Hot
8 x 20 =	40 x 11 =	1/2 x 10 =
48 x 6 =	28 x 8 =	1/4 x 24 =
18 x 20 =	17 x 12 =	24 x 132 =
23 x 12=	23 x 58 =	16 x 45 =
40 ÷ 6 =	130 ÷ 12 =	623 ÷ 22 =
34 ÷ 6 =	41 ÷ 3 =	182 ÷ 14 =
45 ÷ 6 =	236 ÷ 8 =	440 ÷ 12 =
29 ÷ 6 =	116 ÷ 12 =	60 ÷ 1/6 =

1. Complete these divisions

a) 11.9 ÷ 7 =   b) 26.4 ÷ 8 =

c) 28.5 ÷ 5 =   d) 19.8 ÷ 9 =

e) 31.8 ÷ 6 =   f) 78.4 ÷ 4 =

g) 14.4 ÷ 16 =   h) 157.5 ÷ 25 =

2. Solve these word problems and show your method.

a). James has 3.65m of rope into 5 pieces of equal length.
How long is equal piece of rope?

b) The perimeter of a regular octagon is 40.8cm
Calculate the length of each side.
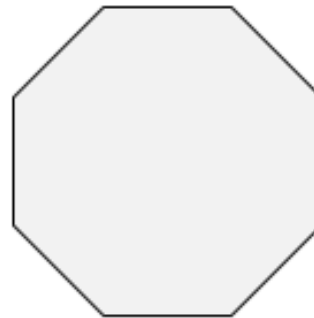
c) Roger is organising a trip to a museum. The total price of the tickets is
£103.50 The total price for the coach is £64.80 If nine people are going on the
trip, how much should they pay each?

Maths Worksheet 12.2.21 – scroll down to find the answers.

Fractions, Decimals and Percentages Equivalence Codebreaker

A	B	C	D	E	F	G	H	I	J	K	L	M
40%	$\frac{7}{10}$	15%	0.26	$\frac{35}{100}$	$\frac{7}{20}$	$\frac{3}{8}$	$\frac{9}{10}$	1	20%	$\frac{8}{35}$	0.24	$\frac{7}{30}$

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
$\frac{7}{25}$	45%	$\frac{8}{25}$	23%	0.25	0.3	55%	14%	0.9	0.5	82%	$\frac{37}{50}$	34%

$\frac{3}{10}$ as a decimal	35% as a fraction	$\frac{2}{5}$ as a percentage	0.9 as a fraction	0.45 as a percentage	25% as a decimal	30% as a decimal

0.35 as a fraction	$\frac{45}{300}$ as a percentage	$\frac{24}{100}$ as a decimal	0.40 as a percentage	$\frac{30}{100}$ as a decimal	$\frac{1}{10}+\frac{2}{10}$ as a decimal	$\frac{20}{50}$ as a percentage

$\frac{50}{200}$ as a decimal	3 tenths and 5 hundredths as a fraction	Simplify $\frac{35}{100}$	$\frac{65}{100}$ -0.25 as a percentage	0.7 as a fraction

Maths Starter Answers

Mild:

😂 x 😃 + 😉 = 113

😉 =5   😂 =12   😃 =9

Medium:

🍦 =3   🍨 = 12

🍧 =4

🍫 =2

🍦 =5

Hot:

🍔 + 🍔 + 🍔 = 50

Mild	Medium	Hot
Find 1/2 of:	Find 1/4 of:	Find 1/3 of:
1/2 of 16 = 8	1/4 of 20 = 5	1/3 of 60 = 20
1/2 of 26 = 13	1/4 of 200 = 50	1/3 of 3 = 1
1/2 of 12 =6	1/4 of 12 = 3	1/3 of 120 = 40
1/2 of 40 = 20	1/4 of 120 = 30	1/3 of 126 = 42
What is 1/4 of:	What is 3/4 of:	What is 2/3 of:
1/4 of 16 = 4	3/4 of 20 = 15	2/3 of 60 = 40
1/4 of 20 = 5	3/4 of 12 = 9	2/3 of 63 = 42
1/4 of 4 = 1	3/4 of 120 = 90	2/3 of 120 = 80
1/4 of 100 = 25	3/4 of 100 = 75	2/3 of 240 = 160

Mild	Medium	Hot
8 x 20 = 160	40 x 11 = 440	1/2 x 10 = 5
48 x 6 = 288	28 x 8 = 224	1/4 x 24 = 6
18 x 20 = 360	17 x 12 = 204	24 x 132 = 3,168
23 x 12 = 276	23 x 58 = 1,334	16 x 45 = 720
40 ÷ 6 = 6 r4	130 ÷ 12 = 10 r10	683 ÷ 22 = 31 r1
34 ÷ 6 = 5 r4	41 ÷ 3 = 13 r2	180 ÷ 14 = 12 r12
45 ÷ 6 = 7 r3	236 ÷ 8 = 29 r4	440 ÷ 12 = 36 r8
29 ÷ 6 = 4 r5	126 ÷ 12 = 10 r6	60 ÷ 7 = 8 r4

Maths Worksheet Answers (A) and (B) 8.2.21

1. $456.8 \times 10 = 4568$
2. $4568 \div 10 = 456.8$
3. $2.76 \times 10 = 27.6$
4. $843 \div 100 = 8.43$
5. $47.3 \times 100 = 4730$
6. $783 \div 100 = 7.83$
7. $45.62 \times 100 = 4562$
8. $783.4 \div 10 = 78.34$
9. $45.74 \times 1000 = 45740$
10. $3620 \div 1000 = 3.62$
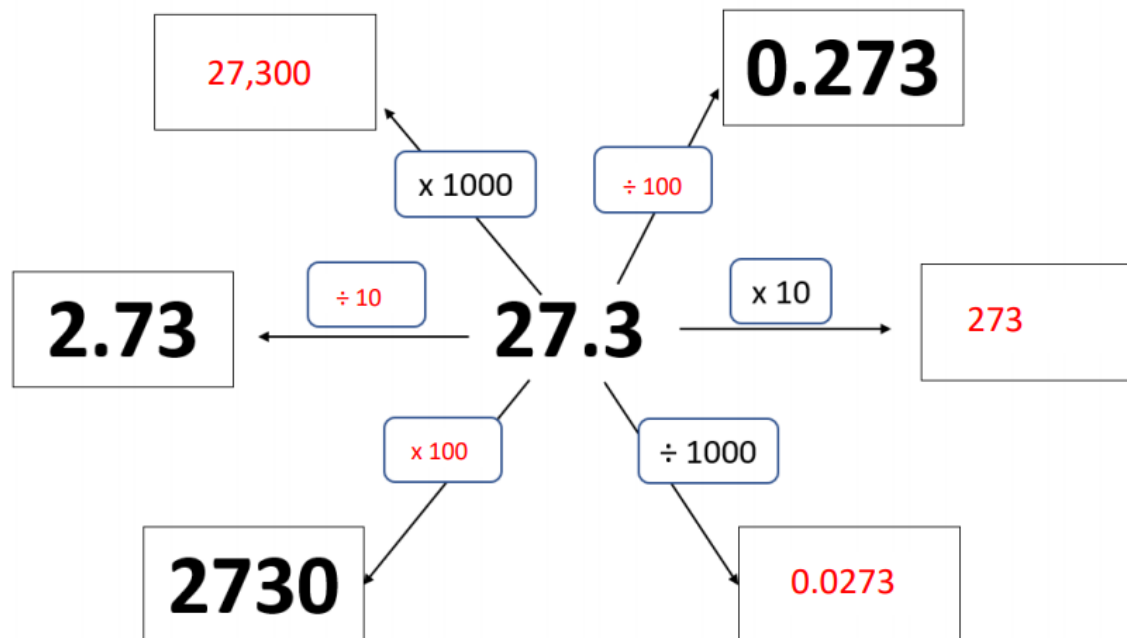11. $348.2 \times 10 = 3482$
12. $34,820 \div 1000 = 34.82$

Challenge

$78.43 \times 100 = 7843$ $78.43 \times 1000 = 78,430$
$6450 \div 100 = 64.5$ $6450 \div 1000 = 6.45$

Maths Worksheet Answers (C) 8.2.21

Divide 47,310 by 10 repeatedly until you get a number that is less than 100.
Write that number. 47.31
Each time the number is divided by 10, the digits move one place value column to the right:
47,310
  4731
   473.1
    47.31

Fill the empty boxes:
0.15 = 1.5 $\boxed{\div}$ 10   5209 = $\boxed{52.09}$ x 100 $\boxed{470}$ ÷ 100 = 4.7   10.08 = $\boxed{10,080}$ ÷ 1000

Write the next two numbers in each sequence.
 0.41 4.1 41 410 (Multiplying by 10)
 2.05 20.5 205 2050 (Multiplying by 10)
 43,020 4302 430.2 43.02 (Dividing by 10)

True or false?
4030 ÷ 100 = 43   False – should be 40.3
1.09 x 100 = 190   False – should be 109
0.09 x 10 = 0.9   True
7000 ÷ 1000 = 0.7   False – should be 7

Maths Worksheet Answers 9.2.21

Solve these calculations using a written method.

a) 156.4	b) 345.9	c) 268.6	d) 62.13	e) 34.65	f) 29.13	g) 42.15	h) 89.95	i) 76.84
× 6	× 4	× 3	× 5	× 4	× 8	× 7	× 5	× 3
938.4	1383.6	805.8	310.65	138.6	233.04	295.05	449.75	230.52

Solve the following calculations:

Solve these word problems:

j) 423.4 × 6 =
2540.4

o) 75.65 × 3 =
226.95

k) 362.5 × 4 =
1450

p) 64.08 × 4 =
256.32

l) 32.68 × 5 =
163.4

q) 95.42 × 8 =
763.36

m) 63.05 × 7 =
441.35

n) 86.25 × 6 =
517.5

r) It takes 16.24 metres to make a pair of curtains. How many metres of fabric is needed to make 8 pairs of curtains?

129.92 metres

s) Sam earns £25.65 working in the local newsagents each Saturday. How much does he earn after working for 5 weekends in a row?

£128.25

t) A house is 32.45 metres wide. 6 terraced houses are built in a row. What is the total width of all 6 houses?

194.7 metres

Maths Worksheet Answers 11.2.21

1. a) 1.7
   b) 3.3
   c) 5.7
   d) 2.2
   e) 5.3
   f) 19.6
   g) 0.9
   h) 6.3

2. a) 0.73
   b) 5.1
   c) £18.70

Maths Worksheet Answers 12.2.21

Fractions, Decimals and Percentages Equivalence Codebreaker

A	B	C	D	E	F	G	H	I	J	K	L	M
40%	$\frac{7}{10}$	15%	0.26	$\frac{35}{100}$	$\frac{7}{20}$	$\frac{3}{8}$	$\frac{9}{10}$	1	20%	$\frac{8}{35}$	0.24	$\frac{7}{30}$

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
$\frac{7}{25}$	45%	$\frac{8}{25}$	23%	0.25	0.3	55%	14%	$0.\dot{9}$	0.5	82%	$\frac{37}{50}$	34%

$\frac{3}{10}$ as a decimal	35% as a fraction	$\frac{2}{5}$ as a percentage	0.9 as a fraction	0.45 as a percentage	25% as a decimal	30% as a decimal
0.3	35/100	40%	$\frac{9}{10}$	45%	0.25	0.3
s	e	a	h	o	r	s

0.35 as a fraction	$\frac{45}{300}$ as a percentage	$\frac{24}{100}$ as a decimal	0.40 as a percentage	$\frac{30}{100}$ as a decimal	$\frac{1}{10} + \frac{2}{10}$ as a decimal	$\frac{20}{50}$ as a percentage
35/100	15%	0.24	40%	0.3	0.3	40%
e	c	l	a	s	s	a

$\frac{50}{200}$ as a decimal	3 tenths and 5 hundredths as a fraction	Simplify $\frac{35}{100}$	$\frac{65}{100}$ -0.25 as a percentage	0.7 as a fraction
0.25	35/100	$\frac{7}{20}$	40%	$\frac{7}{10}$
r	e	f	a	b