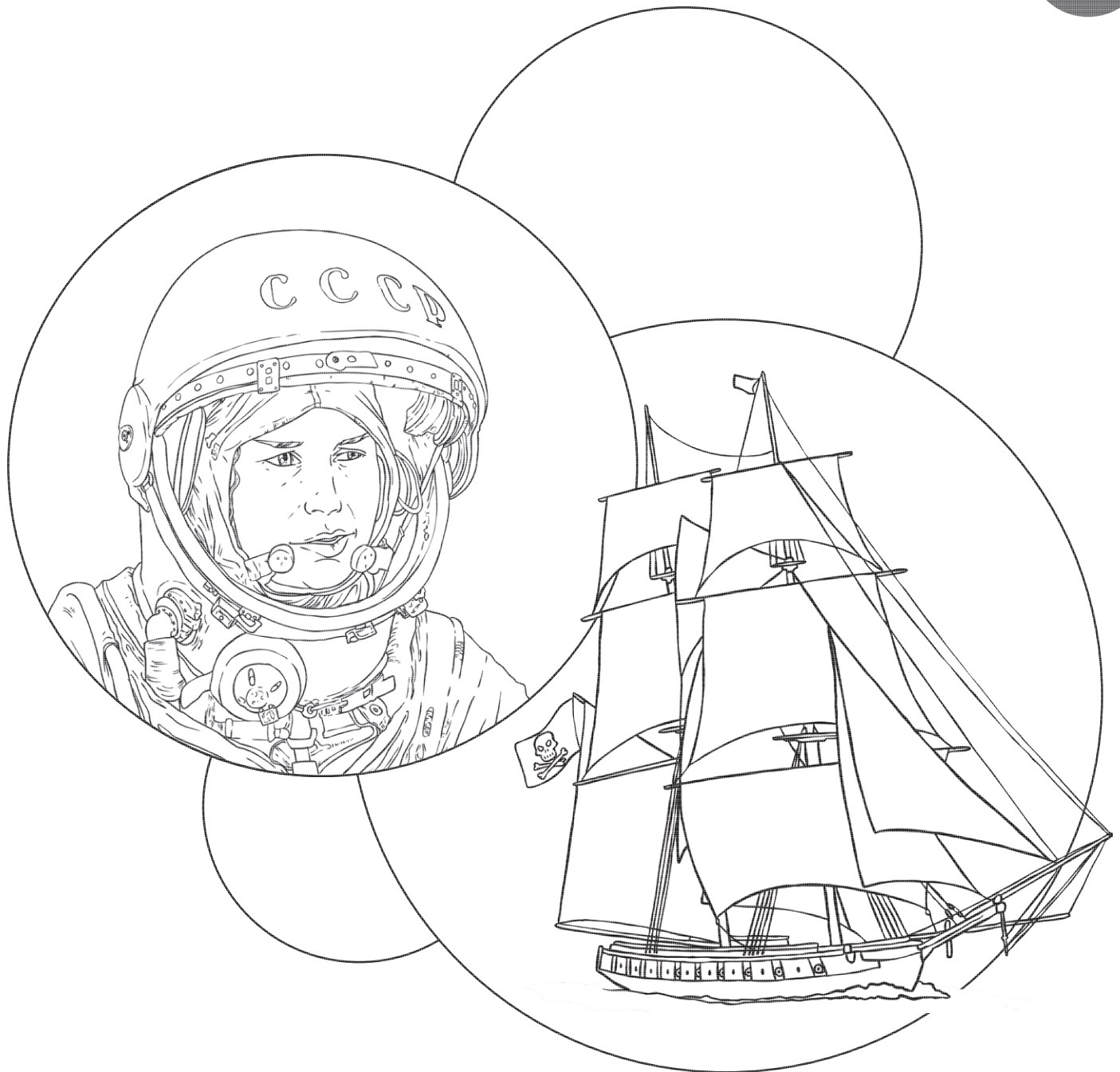


Year 4

Independent Maths & English Work Booklet

Answers

1



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Pirate Mental Multiplication and Division Code Breaker Answers

Use the code breaker to reveal the pirate themed words.

Find the words you reveal in the word search.

a	b	c	d	e	f	g	h	i	j	k	l	m
3	4	6	8	9	12	15	16	18	20	21	24	27

n	o	p	q	r	s	t	u	v	w	x	y	z
28	30	33	36	40	44	48	56	64	72	80	88	96

	Answer	Letter
$32 \div 8$	4	b
7×8	56	u
$18 \div 3$	6	c
$24 \div 4$	6	c
$24 \div 8$	3	a
7×4	28	n
$27 \div 3$	9	e
$72 \div 8$	9	e
5×8	40	r

11×3	33	p
8×3	24	l
$12 \div 4$	3	a
7×4	28	n
7×3	21	k

11×4	44	s
$24 \div 8$	3	a
6×3	18	i
6×4	24	l

	Answer	Letter
11×3	33	p
$9 \div 3$	3	a
10×4	40	r
8×5	40	r
10×3	30	o
12×4	48	t

$48 \div 8$	6	c
$9 \div 3$	3	a
11×3	33	p
12×4	48	t
$24 \div 8$	3	a
6×3	18	i
7×4	28	n

$18 \div 3$	6	c
7×8	56	u
6×8	48	t
6×4	24	l
$12 \div 4$	3	a
11×4	44	s
11×4	44	s

Pirate-Themed Mental Calculations

Code Breaker **Answers**

p	a	r	o	t	f	g	h	i	j	k	l
m	n	p	p	q	r	s	t	u	p	w	x
y	z	a	l	c	e	u	t	l	a	s	s
k	l	b	n	a	p	q	r	s	r	u	v
w	x	y	u	a	n	c	d	e	r	g	h
s	j	k	l	c	n	k	p	q	o	s	t
n	v	w	x	y	c	s	b	c	t	e	f
a	h	i	j	k	l	a	n	o	p	q	r
i	s	u	v	w	x	i	n	a	b	c	d
l	f	a	h	i	j	l	l	e	n	o	p
q	e	a	p	t	a	i	n	y	e	a	b
c	d	e	f	g	h	i	j	k	l	r	n

buccaneer	sail	captain
plank	parrot	cutlass

Year 4 Maths Activity Mat Answers

Section 1

Order these numbers from smallest to largest:

6788 8677 7866 8766

6788	7866	8677	8766
------	------	------	------



Section 4

A postman drives 42 miles a day. How many miles will he drive in 5 days to the nearest 10 miles? What about the nearest 100 miles?

nearest 10 miles = **210 miles**

nearest 100 miles = **200 miles**

Section 2

Fill in the missing numbers on this number line:

-4	-2	0	2	4	6	8
----	----	---	---	---	---	---

Section 3

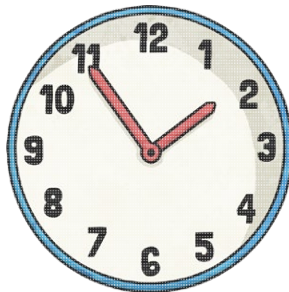
Convert these times to 24-hour clock times:

a) 1:34 p.m. = **13:34**

b) 10:43 p.m. = **22:43**

c) 4:22 p.m. = **16:22**

d) 9:12 p.m. = **21:12**



Section 5

Fill in the missing number:

7	16	1	
-	1	9	9
6	7	2	

Section 6

Milly has a piece of ribbon 75cm long. She cuts it into 3 equal pieces. How long is each piece?

25cm

Section 7

Asha bought a bag priced at £10.25 and a hair brush for £2.50. How much did she spend altogether?

£12.75

Section 8

Write the decimals which match the fractions:

	Decimal
$\frac{1}{10}$	0.1
$\frac{3}{4}$	0.75

Pirate Themed Mental Calculations

Mosaic Answers

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

Black =
100 - 249

Orange =
250 - 399

Grey =
400 - 549

Yellow =
550 - 699

Blue =
700 - 849

Green =
850 - 999

$720 + 80$	$659 + 80$	$452 + 60$	$621 - 90$	$551 - 40$	$888 - 60$	$909 - 90$	$987 - 50$	$900 - 60$
$777 + 40$	$892 - 60$	$395 + 20$	$666 + 60$	$408 + 80$	$627 + 90$	$792 + 60$	$812 + 90$	$915 - 50$
$782 + 60$	$689 + 80$	$509 + 30$	$783 - 60$	$399 + 60$	$818 - 80$	$914 - 90$	$245 + 60$	$741 + 80$
$784 - 40$	$751 + 50$	$809 + 30$	$879 - 30$	$606 - 80$	$852 - 70$	$678 + 90$	$412 - 70$	$743 - 30$
$707 + 70$	$808 - 80$	$752 + 70$	$815 + 10$	$512 + 20$	$766 + 50$	$694 + 40$	$298 + 30$	$794 - 50$
$725 - 60$	$548 + 60$	$589 + 90$	$529 + 20$	$460 - 60$	$452 + 90$	$717 - 70$	$527 + 80$	$747 - 60$
$707 - 80$	$478 + 80$	$214 + 60$	$314 - 30$	$299 - 20$	$415 - 60$	$324 + 20$	$487 + 70$	$521 + 60$
$479 + 80$	$573 + 80$	$384 + 10$	$401 - 20$	$222 + 60$	$333 + 60$	$234 + 50$	$555 + 80$	$788 - 90$
$718 - 20$	$551 + 30$	$345 + 20$	$369 - 50$	$344 - 80$	$409 - 40$	$244 + 60$	$607 - 30$	$712 - 40$
$506 + 60$	$706 - 60$	$156 + 20$	$208 - 40$	$322 - 80$	$156 + 60$	$127 + 60$	$549 + 10$	$702 - 10$

Extra Challenge: Use the inverse operation to write a related fact for each calculation.

$548 + 60 = 608$ $608 - 60 = 548$ or $608 - 548 = 60$

$788 - 90 = 698$ $698 + 90 = 788$ or $90 + 698 = 788$

The Mystery of the Pirate Captain Maths Mystery Game **Answers**

Clue 1

Order each set of numbers from smallest to largest. Take the largest number in each set and colour it in on the table below. Rearrange these words to find the first clue.

1.	502	250	255	550	205
	205	250	255	502	550
2.	2161	2612	1261	6210	1623
	1261	1623	2161	2612	6210
3.	8	8.3	8.4	8.6	8.2
	8	8.2	8.3	8.4	8.6
4.	12.53	12.23	12.05	12.35	12.03
	12.03	12.05	12.23	12.35	12.53
5.	67.84	68.74	67.48	68.47	64.87
	64.87	67.48	67.84	68.47	68.74

8.46 monkey	6210 the	68.47 short	12.35 hair
550 captain	12.53 male	8.46 rat	12.23 male
502 female	8.6 isn't	68.74 new	67.84 long

Clue 1: **The new captain isn't male.**

The Mystery of the Pirate Captain Answers

Clue 2

Check these calculations. If a calculation is right, put a tick. If it is wrong, put a cross.

Count up the number of ticks and crosses.

If there are more ticks than crosses, the new captain has long hair.

If there are more crosses than ticks, the new captain has short hair.

	Right ✓	Wrong ✗
$6 \times 9 > 7 \times 8$		✗
$125 + 42 = 200 - 33$	✓	
$25 \div 10 = 2.05$		✗
$7 \times 3 \times 4 = 84$	✓	
$\frac{1}{4} = 0.4$		✗
2 hours = 150 minutes		✗
$\frac{1}{2}$ of 30 = $\frac{1}{4}$ of 60	✓	
$\frac{2}{5}$ of 60 = 24	✓	
$1926 + 100 = 2126$		✗
Total	4	5

Clue 2: **The new captain has short hair.**



The Mystery of the Pirate Captain Answers

Clue 3

Use your knowledge of inverse operations to find the missing number in each triangle. Colour the answers in on the table and rearrange these words to find the third clue.



15 ÷ ÷	84 ÷ ÷
3 × 5	7 × 12

56 ÷ ÷	63 ÷ ÷	48 ÷ ÷
7 × 8	7 × 9	6 × 8

145 - -	418 - -	398 - -
55 + 90	40 + 378	165 + 233

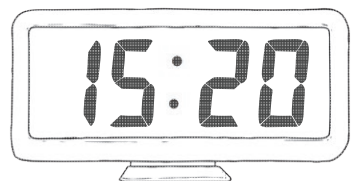
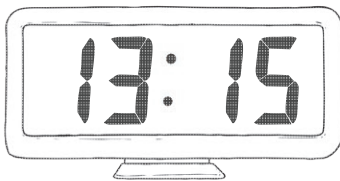
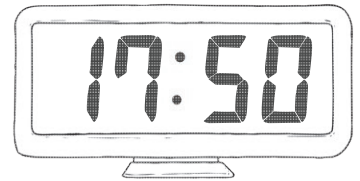
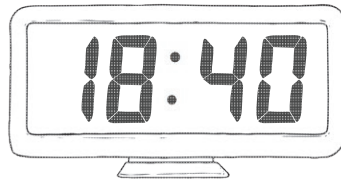
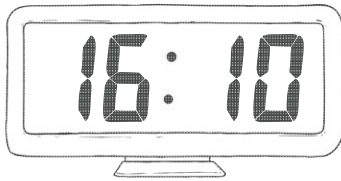
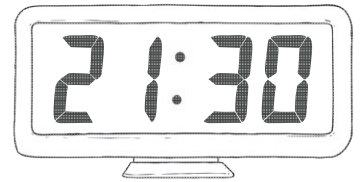
3	74	388	54
the	short	long	hair
12	7	398	55
eyepatch	new	not	wear
26	9	48	378
pet	does	captain	an

Clue 3: The new captain does not wear an eyepatch.

The Mystery of the Pirate Captain Answers

Clue 4

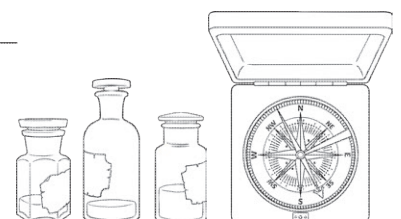
Read the 24-hour digital times and match them to the times written in the table. Rearrange the words to find the fourth clue.



has Twenty minutes past three in the afternoon	rat Eight minutes past eight in the evening	new Ten minutes past four in the afternoon	the Quarter past one in the afternoon
monkey Half past ten in the evening	parrot Quarter past two in the afternoon	captain Half past nine in the evening	short Eight minutes past seven in the evening
long Twenty minutes to nine in the evening	a Twenty minutes to seven in the evening	hair Ten minutes to seven in the evening	pet Ten minutes to six in the evening

Clue 4: **The new captain has a pet rat.**

The new captain will be: **Silver Penny**



Non-Fiction - Tornado Rips Through Town **Answers**

1. How many people live in Greensburg?

Less than 2000

2. The Greensburg tornado had windspeeds of up to how many mph?

266 mph

3. Using the report, explain what 'tornado alley' is:

'Tornado Alley' is the worst-affected area in America for tornados. 'Tornado Alley' is a region in the American Midwest and South worst-affected by tornados.

4. What do you think the people in the neighbouring towns thought about the disaster?

Award one mark for answers that reflect the people in the neighbouring towns feeling horrified, upset or saddened for the people of Greensburg and their need to want to help.

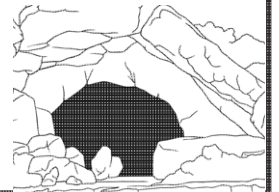
Award one further mark for answers that recognise they might also be relieved/grateful it didn't happen to them in their town.

SPaG Mat Answers

Add the correct pronouns to the sentence:

Rita heard a grunting noise from inside the cave, which made her shudder. There was definitely something inside it.

Now write another sentence to carry on the story with an example of a different pronoun. Circle the pronoun you have used.



a

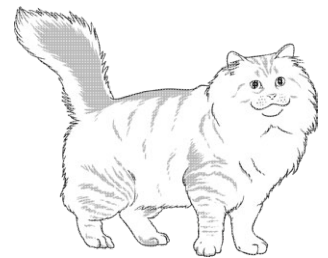
Look at the choices of words within the brackets. Circle the correct word to fit the sentence:

(They/There) was a sudden rainstorm so the children ran inside for (their/there) coats. They decided that they might need umbrellas (two/to/too).

b

Circle the THREE determiners in this sentence.

The two dogs barked at a cat.



c

Mr Whoops has accidentally jumbled two adjectives that he uses to describe his favourite teacher. Can you help him to unjumble them?

rgican

yldreifn

caring

friendly



d

Change these adjectives into adverbs.

sleepy - sleepily

messy - messily

simple - simply

e

Re-arrange this sentence so that it has a fronted adverbial. Don't forget the correct punctuation.

The children made a gigantic sandcastle with much enthusiasm. **With much enthusiasm, the children made a gigantic sandcastle.**



f

Spot Mr Whoops' Mistakes **Answers**

Activity 2

occasionally

interest

recent

actually

natural

therefore

enough

notice

eight

heard

surprise

Earth

Fix the Sentence **Answers**

1. "Watch what happens next, announced the sensasional magicion excitedly".

"Watch what happens next," announced the sensational magician excitedly.

2. the Countries flag boasts blue white and red stripes.

The country's flag boasts blue, white and red stripes.

3. i sumtimes play basketbawl with my neybour becos he were a amazing player.

I sometimes play basketball with my neighbour because he is an amazing player.

The Mystery of the Stolen Space Food **Answers**

Clue 1 - It's a Mystery!

A spacesuit

An alien

An astronaut

An eclipse

A planet

A comet

A rocket

A star

An asteroid

A helmet

I used **a** / an most frequently so the culprit is **male**.

Clue 2 - Is It Perfect?

Sentence	✓ or x
The astronauts have prepared for this mission for months.	✓
"I have waited for this chance for years," said one of the astronauts.	✓
Unfortunately, the space food has disappeared from the storage cupboard.	✓
Mission control is delayed the takeoff.	x
Tom Planets has eaten all of the space food.	✓
Luckily, the Space Agency will stored extra food in a safe place.	x
Finally, the spare food has been packed into the rocket.	✓
The rocket has took off safely.	x

There were **3** crosses and **5** ticks. There were more **ticks** so the culprit **does wear** glasses.

Clue 3 - Comma Confusion

Space sentence	✓ or x
Wearing his orange uniform Mercury prepared for his first space mission.	x
As fast as a rocket, the silver meteor zoomed into the Earth's atmosphere.	✓
Stranded on the moon Helene, noticed the sky was turning navy blue.	x
Magnified through, the telescope the craters on the red planet looked enormous.	x
Putting on her purple uniform, for the first time Carina felt more proud than she ever had before.	x

The colour mentioned in the correctly punctuated sentence is **silver** so the culprit's uniform is **silver**.

Clue 4 - Lost in a Word Vortex...

answer	business	century	busy	dissapear	calender	breethe
adress	ocassion	forwords	favourite	weight	centre	experement
bycycle	acidentally	eigth	corght	exersise	circle	Febuary
nowledge	deside	certin	groop	famouse	continuo	different
speshul	strate	grammer	hieght	beleive	naturel	early
potatos	women	although	popular	guide	accident	question
enuff	ordinary	exstreme	arive	gard	medisine	dificult
compleet	regular	history	build	impo tant	discribe	ocasionaly
notis	hurd	increese	hart	learnt	intajine	intrest
promis	offten	supos	raign	probally	actually	posession
peculliar	library	material	experience	particular	length	variouse
naughty	remember	sentance	posishun	pirhaps	thru	oposite
island	seperate	minute	surprize	though	posess	possible
British	Russian	American	Chinese			

The culprit's nationality is **British**.

Clue 5 - To Apostrophe or Not to Apostrophe?

Space sentence	✓ or x
As I was entering the space shuttle, I tripped over the captain's boots.	✓
Space walks are fun but it is important to check your helmets seal's before leaving the space station.	x
The planets's rocks will be studied while we are there.	x
Seeing the aliens' vehicles approaching made us all panic.	✓
The astronauts are always happy to see their families' faces when they make video calls back home once a week.	✓

There were **2** crosses and **3** ticks. There were more **ticks** so the culprit is **less than** 30 years old.

The space food thief was Rocket.