

Tuesday 30th June

Hello again Year 5,

We hope that you have been working hard at home as well as enjoying the sunny weather - especially last week.

Here are the activities for this week for you to follow and complete. In Maths we're continuing our work on decimal numbers. Our 'Doors' writing unit is now in its second week and we're building up to the final piece of writing next week. It's healthy eating again in PSHE, with a focus on sugar this week, and we have popped some art and puzzles in there too!

If you have some spare time or want to do some extra learning, you could visit <https://www.bbc.co.uk/bitesize> or <https://www.thenational.academy/online-classroom> where there are lots of lessons and activities to choose from.

As always, try to read for at least 20 minutes a day and take 'Accelerated Reader' quizzes from home by using this link [Howley Grange Renaissance at home](#) and logging on as usual using your username and password. To check that the book you are reading has a quiz, you can check it using on [Accelerated Reader Bookfinder](#).

Take care and keep smiling,

Miss Savage, Mrs Montgomery and Mrs Graham

English Activity 2 - Pattern of three

Read this extract from *The Snow-Walker's Son* by Catherine Fisher. You can listen to the extract here: <https://soundcloud.com/talkforwriting/doors/s-ItAy0hpt715>

The door was the last one in the corridor.

As the flames flickered over it, they showed it was barred; a hefty iron chain hung across it, and the mud floor beneath was red with rust that had flaked off in the long years of locking and unlocking.

The keeper hung his lantern on a nail, took the key from a dirty string around his neck, and fitted it into the keyhole. Then he looked behind him.

'Get on with it!' the big man growled. 'Let me see what she keeps in there!'

The keeper grinned; he knew fear when he heard it. With both hands he turned the key, then tugged out the red chain in a shower of rust and pushed the door. It opened, just a fraction. Darkness and a damp smell oozed through the black slit.

He stepped well back, handed the stranger the lantern, and jerked his head. He had no tongue to speak with; she'd made sure he kept her secrets.

The stranger hesitated; a draught moved his hair and he gazed back up the stone passageway as if he longed suddenly for warmth and light. And from what I've heard, the keeper thought, you won't be seeing much of those ever again.

Then the man held up the lantern and pushed the door. The keeper watched his face intently in the red glow, and his great hand, as it clutched a luck-stone that swung at his neck. The man went in, slowly. The door closed.

© Catherine Fisher 2011 from *The Snow Walker's Son*, published by Red Fox, by permission of the author.

Fisher uses the **pattern of three** actions in a sentence to advance the action and inject a sense of pace into her writing. This helps to balance description, action and dialogue. e.g.

- The keeper **hung** his lantern on a nail, **took** the key from a dirty string around his neck, and **fitted** it into the keyhole.
- With both hands he **turned** the key, then **tugged** out the red chain in a shower of rust and **pushed** the door.
- He **stepped** well back, **handed** the stranger the lantern, and **jerked** his head.

Write five sentences of your own linked to the paragraph above.
Highlight the three actions in each of your sentences.
Think carefully about your vocabulary and punctuation choices.
Check your sentences carefully to correct any errors and to improve them further.

MATHS 10-4-10

1. What number is halfway between 2400 and 3000?

2. Rewrite $\frac{2}{4}$ in its lowest terms.

3. What fraction of a day is 1 hour?

4. 10% of 50 =

5. $0.3 + 0.002 + 2.04 =$

Remember - ten questions in ten minutes. If you find one tricky, just move on to the next and come back to any you have missed at the end.

6. Put these numbers in order, largest first.

7.05 7.505 7.017 7.5

7. Complete the sequence.

4.4, 4.6, 4.8, ,

8. Which is the odd one out?

235 89 759 568 711

9. What is the value of n ?

$$17 + n = 36$$

10. Double 37


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Maths Activity - Subtracting decimals with a different number of decimal places


For today's lesson, use the following link to White Rose Maths Home Learning and watch the video for Summer Term: Week 9: Lesson 2: Subtracting decimals with a different number of decimal places.


<https://whiterosemaths.com/homelearning/year-5/>

The video explains the concept in different ways; you can pause the video and complete questions on the sheet or in your homework books, or you may prefer to watch the whole video first before completing the sheet. If you feel you want to just go ahead and complete the sheet, then feel free to do so. You can then check your answers to see how you got on (answers are at the end of the presentation).

Again you should have a go at completing the questions you feel confident to. Remember, don't worry, just try your best.

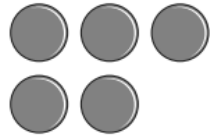

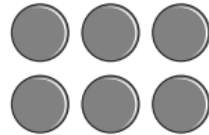
Questions 1 - 3 

Questions 1 - 6 

Questions 1 - 8 

Subtracting decimals with a different number of decimal places

1 Use the place value chart to help you work out the subtractions.

Ones	Tenths	Hundredths
		

a)

		5	•	3	6
-		1	•	2	
<hr/>					
			•		
<hr/>					

c)

		5	•	3	6
-		3	•	8	
<hr/>					
			•		
<hr/>					

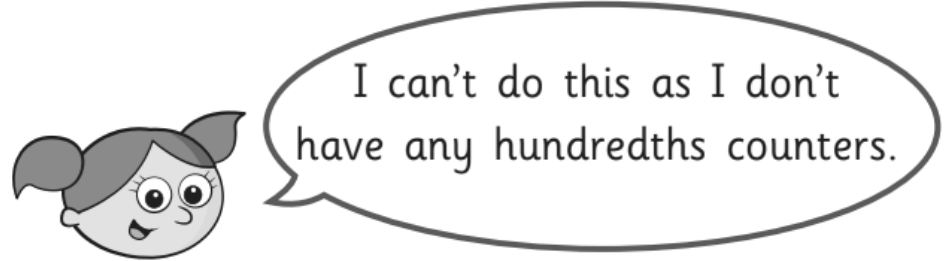
b)

		5	•	3	6
-		3	•	5	
<hr/>					
			•		
<hr/>					

d)

		5	•	3	6
-		4	•	7	
<hr/>					
			•		
<hr/>					

2 Alex is using counters to help her work out $4.7 - 1.35$



Do you agree with Alex? _____.

3

Complete the subtractions.

a)

		2	•	3	6
	-	1	•	4	
<hr/>					
			•		
<hr/>					

c)

		7	•	3	
	-	1	•	1	5
<hr/>					
			•		
<hr/>					

b)

		6	•	1	5
	-	3	•	8	
<hr/>					
			•		
<hr/>					

d)

		2	4	•	4	
	-		3	•	1	2
<hr/>						
				•		
<hr/>						

4

Use the column method to work out the subtractions.

a) $13.59 - 1.82$

c) $5.6 - 1.39$

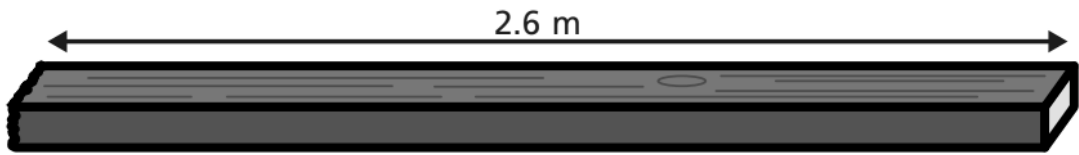
b) $73.84 - 9.2$

d) $18.2 - 3.64$

5

A plank of wood measures 2.6 m.

A carpenter cuts a piece of wood from the plank that is 0.52 m long.



a) What is the length of the remaining plank?

 m

b) The carpenter cuts a second piece of wood from the plank.

She now has 0.3 m of the plank remaining.

What is the length of the second piece of wood that she cut?

 m

6

The mass of a bag of marbles is 54.3 g.

These two marbles are removed from the bag.



What is the mass of the bag of marbles now?

 g

7 Work out the missing digits.

$$\underline{\quad}3.4 - 2.5\underline{\quad} = 10.81$$

8 Use the column method to work out the subtractions.

a) $14 - 2.7$

d) $26 - 3.91$

b) $8 - 3.65$

e) $25 - 3.842$

c) $20 - 2.85$

f) $90 - 0.821$

Healthy Eating Code Breaker

Amazing Healthy Eating Information

- We should drink 6 – 8 glasses of fluid a day. Water is the best, but other unsweetened drinks are also good.
- There are many interesting foods which can easily be included in a healthy lunch box. We should try to eat at least 5 portions of fruit and vegetables each day. Why not add an extra portion of fruit or vegetables to your lunch?
- Calcium is an important mineral which is found in dairy products. Calcium is important because it helps our bodies to build strong bones and teeth.
- Omega-3 is a fatty acid that makes part of a healthy, balanced diet. Foods that are rich in Omega-3 can help to maintain a healthy heart.

Challenge

Solve the maths calculations on the following pages to spell out some words associated with healthy eating. The words are related to healthy foods that could be added to a lunch box, foods that are rich in calcium and good sources of Omega-3.

A	B	C	D	E	F	G	H	I	J	K	L	M
26	25	24	23	22	21	20	19	18	17	16	15	14

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
13	12	11	10	9	8	7	6	5	4	3	2	1



Healthy Eating Code Breaker Lunch Box Challenge

1.

	Answer	Letter
$38 \div 2$		
$30 \div 5$		
2×7		
$28 \div 2$		
2×3		
$48 \div 6$		

Food: _____

2.

	Answer	Letter
13×2		
$25 \div 5$		
3×4		
4×6		
2×13		
$46 \div 2$		
6×2		

Food: _____

3.

	Answer	Letter
$55 \div 5$		
$66 \div 3$		
$22 \div 2$		
$77 \div 7$		
$110 \div 5$		
$45 \div 5$		

Food: _____

4.

	Answer	Letter
$40 \div 5$		
7×2		
$24 \div 2$		
4×4		
11×2		
$69 \div 3$		
$24 \div 3$		
2×13		
5×3		
2×7		
$60 \div 5$		
$26 \div 2$		

Food: _____

5.

	Answer	Letter
$104 \div 4$		
$66 \div 6$		
$44 \div 4$		
$90 \div 6$		
$88 \div 4$		

Food: _____

6.

	Answer	Letter
2×10		
3×3		
2×13		
1×11		
2×11		
2×4		

Food: _____

Healthy Eating Code Breaker Calcium Challenge

1.	Answer	Letter
0.08×100		
1.2×10		
$20 \div 10$		
$260 \div 10$		
0.025×1000		
$2200 \div 100$		
0.26×100		
$1300 \div 100$		
0.008×1000		

Source: _____

2.	Answer	Letter
$250 \div 10$		
0.09×100		
$120 \div 10$		
$2400 \div 100$		
0.024×1000		
$1200 \div 100$		
$150 \div 10$		
0.18×100		

Source: _____

3.	Answer	Letter
0.8×10		
$2600 \div 100$		
0.009×1000		
$2300 \div 100$		
$180 \div 10$		
$1300 \div 100$		
0.022×1000		
$8000 \div 1000$		

Source: _____

4.	Answer	Letter
0.13×100		
$600 \div 100$		
0.7×10		
$800 \div 100$		

Source: _____

5.	Answer	Letter
0.24×100		
2.6×10		
0.25×100		
$250 \div 10$		
0.026×1000		
0.2×100		
2.2×10		

Source: _____

6.	Answer	Letter
2.1×10		
0.12×100		
0.09×100		
$7000 \div 1000$		
0.018×1000		
$2100 \div 100$		
$1800 \div 100$		
$220 \div 10$		
0.023×1000		
$250 \div 10$		
$900 \div 100$		
0.22×100		
$26 \div 1$		
$2300 \div 100$		

Source: _____

Healthy Eating Code Breaker Omega-3 Challenge

1.

	Answer	Letter
$\frac{4}{5}$ of 5		
$\frac{2}{3}$ of 39		
$\frac{3}{7}$ of 35		
$\frac{1}{3}$ of 39		
$\frac{2}{3}$ of 9		
$\frac{1}{4}$ of 28		
$\frac{2}{5}$ of 20		

Source: _____

2.

	Answer	Letter
$\frac{4}{7}$ of 14		
$\frac{4}{5}$ of 15		
$\frac{1}{6}$ of 12		
$\frac{1}{2}$ of 52		
$\frac{5}{9}$ of 45		
$\frac{2}{3}$ of 33		
$\frac{2}{3}$ of 39		
$\frac{1}{4}$ of 52		
$\frac{1}{2}$ of 16		

Source: _____

3.

	Answer	Letter
$\frac{3}{4}$ of 28		
$\frac{3}{5}$ of 25		
$\frac{1}{3}$ of 78		
$\frac{1}{6}$ of 18		
$\frac{2}{9}$ of 36		
$\frac{2}{7}$ of 77		
$\frac{1}{4}$ of 88		
$\frac{1}{5}$ of 115		
$\frac{1}{5}$ of 40		

Source: _____

4.

	Answer	Letter
$\frac{2}{7}$ of 28		
$\frac{2}{5}$ of 65		
$\frac{3}{8}$ of 24		
$\frac{1}{3}$ of 69		
$\frac{3}{5}$ of 30		
$\frac{1}{5}$ of 65		
$\frac{2}{5}$ of 55		
$\frac{2}{3}$ of 12		

Source: _____

5.

	Answer	Letter
$\frac{2}{9}$ of 36		
$\frac{2}{3}$ of 39		
$\frac{5}{6}$ of 18		
$\frac{2}{3}$ of 21		
$\frac{4}{9}$ of 27		
$\frac{1}{5}$ of 65		

Source: _____

Healthy Eating Code Breaker Omega-3 Challenge

6.

	Answer	Letter
$\frac{3}{4}$ of 32		
$\frac{1}{2}$ of 38		
$\frac{3}{4}$ of 24		
$\frac{2}{7}$ of 91		
$\frac{1}{4}$ of 32		
$\frac{1}{5}$ of 110		
$\frac{2}{5}$ of 55		
$\frac{1}{4}$ of 92		
$\frac{2}{11}$ of 44		

Source: _____



ANSWERS

ANSWERS: 10-4-10

1. What number is halfway between 2400 and 3000? **2700**

2. Rewrite $\frac{2}{4}$ in its lowest terms. **$\frac{1}{2}$**

3. What fraction of a day is 1 hour? **$\frac{1}{24}$**

4. 10% of 50 = **5**

5. $0.3 + 0.002 + 2.04 =$
2.342

6. Put these numbers in order, largest first.
7.505, 7.5, 7.05, 7.017

7. Complete the sequence.
4.4, 4.6, 4.8, **5, 5.2**

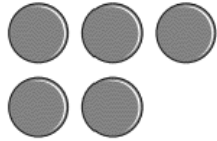

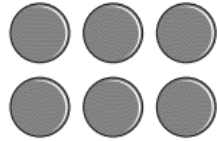
8. Which is the odd one out?
235 89 759 **568** 711

9. What is the value of n ?
 $17 + n = 36$ **$n = 19$**

10. Double 37 **74**

ANSWERS: Subtracting decimals with a different number of decimal places

1 Use place value counters to help you work out the subtractions.

Ones	Tenths	Hundredths
		

a)

		5	•	3	6
	-	1	•	2	
		<hr/>			
		4	•	1	6
		<hr/>			

c)

		⁴ / 5	•	3	6
	-	3	•	8	
		<hr/>			
		1	•	5	6
		<hr/>			

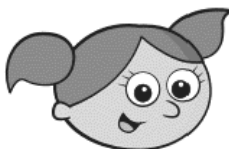
b)

		⁴ / 5	•	3	6
	-	3	•	5	
		<hr/>			
		1	•	8	6
		<hr/>			

d)

		⁴ / 5	•	3	6
	-	4	•	7	
		<hr/>			
		0	•	6	6
		<hr/>			

2 Alex is using counters to help her work out $4.7 - 1.35$



I can't do this as I don't have any hundredths counters.

Do you agree with Alex? No

3

Complete the subtractions.

a)

		¹ / 2	•	¹ 3	6
	-	1	•	4	
		<u>0</u>	•	<u>9</u>	<u>6</u>

c)

		7	•	² / 3	'0
	-	1	•	1	5
		<u>6</u>	•	<u>1</u>	<u>5</u>

b)

		⁵ / 6	•	¹ 1	5
	-	3	•	8	
		<u>2</u>	•	<u>3</u>	<u>5</u>

d)

		2	4	•	³ / 4	'0
	-		3	•	1	2
		<u>2</u>	<u>1</u>	•	<u>2</u>	<u>8</u>

4

Use the column method to work out the subtractions.

a) $13.59 - 1.82$

		²				
	1	3	•	5	9	
	-		•	1	8	2
		<u>1</u>		<u>1</u>	<u>7</u>	<u>7</u>

c) $5.6 - 1.39$

	5	•	6	'0	
	-	1	•	3	9
		<u>4</u>	•	<u>2</u>	<u>1</u>

b) $73.84 - 9.2$

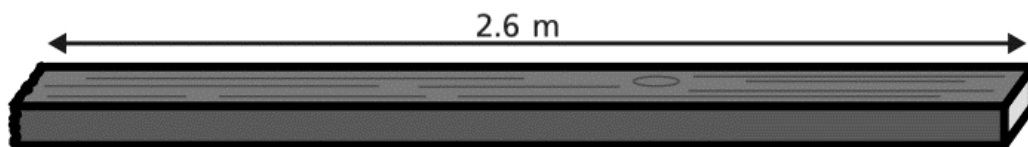
	⁶	7	•	3	8	4	
	-		•	9	•	2	
		<u>6</u>		<u>4</u>	•	<u>6</u>	<u>4</u>

d) $18.2 - 3.64$

	1	•	8	•	¹¹ 2	'0	
	-		3	•	6	4	
		<u>1</u>		<u>4</u>	•	<u>5</u>	<u>6</u>

5 A plank of wood measures 2.6 m.

A carpenter cuts a piece of wood from the plank that is 0.52 m long.



a) What is the length of the remaining plank?

2.08 m

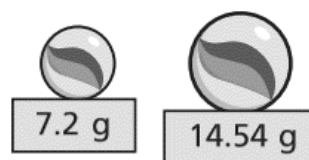
b) The carpenter cuts a second piece of wood from the plank.
She now has 0.3 m of the plank remaining.

What is the length of the second piece of wood that she cut?

1.78 m

6 The mass of a bag of marbles is 54.3 g.

These two marbles are removed from the bag.



What is the mass of the bag of marbles now?

32.56 g

7 Work out the missing digits.

$$\underline{1}3.4 - 2.5\underline{9} = 10.81$$

8 Use the column method to work out the subtractions.

a) $14 - 2.7$

		1	4 ³	.	0	
-			2	.	7	
		1	1	.	3	

d) $26 - 3.91$

		2	6 ⁵	.	0 ⁹	0
-			3	.	9	1
		2	2	.	0	9

b) $8 - 3.65$

		8 ⁷	0 ⁹	.	0	
-		3	.	6	5	
		4	.	3	5	

e) $25 - 3.842$

		2	5 ⁴	.	0 ⁹	0 ⁹ 0
-			3	.	8	4 2
		2	1	.	1	5 8

c) $20 - 2.85$

		2 ¹	0 ⁹	.	0 ⁹	0
-			2	.	8	5
		1	7	.	1	5

f) $90 - 0.821$

		9 ⁸	0 ⁹	.	0 ⁹	0 ⁹ 0
-			0	.	8	2 1
		8	9	.	1	7 9

PSHE ANSWERS

Healthy Eating Code Breaker Lunch Box Challenge **Answers**

1.	Answer	Letter
$38 \div 2$	19	H
$30 \div 5$	6	U
2×7	14	M
$28 \div 2$	14	M
2×3	6	U
$48 \div 6$	8	S

Food: **Hummus**

2.	Answer	Letter
13×2	26	A
$25 \div 5$	5	V
3×4	12	O
4×6	24	C
2×13	26	A
$46 \div 2$	23	D
6×2	12	O

Food: **Avocado**

3.	Answer	Letter
$55 \div 5$	11	P
$66 \div 3$	22	E
$22 \div 2$	11	P
$77 \div 7$	11	P
$110 \div 5$	22	E
$45 \div 5$	9	R

Food: **Pepper**

4.	Answer	Letter
$40 \div 5$	8	S
7×2	14	M
$24 \div 2$	12	O
4×4	16	K
11×2	22	E
$69 \div 3$	23	D
$24 \div 3$	8	S
2×13	26	A
5×3	15	L
2×7	14	M
$60 \div 5$	12	O
$26 \div 2$	13	N

Food: **Smoked salmon**

5.	Answer	Letter
$104 \div 4$	26	A
$66 \div 6$	11	P
$44 \div 4$	11	P
$90 \div 6$	15	L
$88 \div 4$	22	E

Food: **Apple**

6.	Answer	Letter
2×10	20	G
3×3	9	R
2×13	26	A
1×11	11	P
2×11	22	E
2×4	8	S

Food: **Grapes**

PSHE ANSWERS

Healthy Eating Code Breaker Calcium Challenge Answers

1.	Answer	Letter
0.08×100	8	S
1.2×10	12	O
$20 \div 10$	2	Y
$260 \div 10$	26	A
0.025×1000	25	B
$2200 \div 100$	22	E
0.26×100	26	A
$1300 \div 100$	13	N
0.008×1000	8	S

Source: **Soy beans**

2.	Answer	Letter
$250 \div 10$	25	B
0.09×100	9	R
$120 \div 10$	12	O
$2400 \div 100$	24	C
0.024×1000	24	C
$1200 \div 100$	12	O
$150 \div 10$	15	L
0.18×100	18	I

Source: **Broccoli**

3.	Answer	Letter
0.8×10	8	S
$2600 \div 100$	26	A
0.009×1000	9	R
$2300 \div 100$	23	D
$180 \div 10$	18	I
$1300 \div 100$	13	N
0.022×1000	22	E
$8000 \div 1000$	8	S

Source: **Sardines**

4.	Answer	Letter
0.13×100	13	N
$600 \div 100$	6	U
0.7×10	7	T
$800 \div 100$	8	S

Source: **Nuts**

5.	Answer	Letter
0.24×100	24	C
2.6×10	26	A
0.25×100	25	B
$250 \div 10$	25	B
0.026×1000	26	A
0.2×100	20	G
2.2×10	22	E

Source: **Cabbage**

6.	Answer	Letter
2.1×10	21	F
0.12×100	12	O
0.09×100	9	R
$7000 \div 1000$	7	T
0.018×1000	18	I
$2100 \div 100$	21	F
$1800 \div 100$	18	I
$220 \div 10$	22	E
0.023×1000	23	D
$250 \div 10$	25	B
$900 \div 100$	9	R
0.22×100	22	E
$26 \div 1$	26	A
$2300 \div 100$	23	D

Source: **Fortified bread**

PSHE ANSWERS

Healthy Eating Code Breaker Omega-3 Challenge Answers

1.	Answer	Letter
$\frac{4}{5}$ of 5	4	W
$\frac{2}{3}$ of 39	26	A
$\frac{3}{7}$ of 35	15	L
$\frac{1}{3}$ of 39	13	N
$\frac{2}{3}$ of 9	6	U
$\frac{1}{4}$ of 28	7	T
$\frac{2}{5}$ of 20	8	S

Source: _____ **Walnuts** _____

2.	Answer	Letter
$\frac{4}{7}$ of 14	8	S
$\frac{4}{5}$ of 15	12	O
$\frac{1}{6}$ of 12	2	Y
$\frac{1}{2}$ of 52	26	A
$\frac{5}{9}$ of 45	25	B
$\frac{2}{3}$ of 33	22	E
$\frac{2}{3}$ of 39	26	A
$\frac{1}{4}$ of 52	13	N
$\frac{1}{2}$ of 16	8	S

Source: _____ **Soy beans** _____

3.	Answer	Letter
$\frac{3}{4}$ of 28	21	F
$\frac{3}{5}$ of 25	15	L
$\frac{1}{3}$ of 78	26	A
$\frac{1}{6}$ of 18	3	X
$\frac{2}{9}$ of 36	8	S
$\frac{2}{7}$ of 77	22	E
$\frac{1}{4}$ of 88	22	E
$\frac{1}{5}$ of 115	23	D
$\frac{1}{5}$ of 40	8	S

Source: _____ **Flax Seeds** _____

4.	Answer	Letter
$\frac{2}{7}$ of 28	8	S
$\frac{2}{5}$ of 65	26	A
$\frac{3}{8}$ of 24	9	R
$\frac{1}{3}$ of 69	23	D
$\frac{3}{5}$ of 30	18	I
$\frac{1}{5}$ of 65	13	N
$\frac{2}{5}$ of 55	22	E
$\frac{2}{3}$ of 12	8	S

Source: _____ **Sardines** _____

5.	Answer	Letter
$\frac{2}{9}$ of 36	8	S
$\frac{2}{3}$ of 39	26	A
$\frac{5}{6}$ of 18	15	L
$\frac{2}{3}$ of 21	14	M
$\frac{4}{9}$ of 27	12	O
$\frac{1}{5}$ of 65	13	N

Source: _____ **Salmon** _____

Healthy Eating Code Breaker Omega-3 Challenge

6.

	Answer	Letter
$\frac{3}{4}$ of 32	24	C
$\frac{1}{2}$ of 38	19	H
$\frac{3}{4}$ of 24	18	I
$\frac{2}{7}$ of 91	26	A
$\frac{1}{4}$ of 32	8	S
$\frac{1}{5}$ of 110	22	E
$\frac{2}{5}$ of 55	22	E
$\frac{1}{4}$ of 92	23	D
$\frac{2}{11}$ of 44	8	S

Source: Chia seeds

