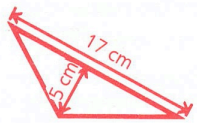
Week 12

Week 12 Day 1: Mental Maths … remember to use jottings

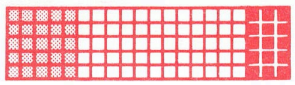
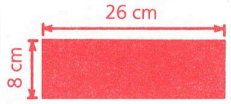
A

		ANSWER
1	Write in figures 1.1 million.	
2	£0·81 = 2 TWENTIES + 3 TENS + ▒ p	p
3	8.07 × 6	
4	1.8 km + 450 m = ▒ km ▒ m	km m
5	50% of 1.9 kg = ▒ g	g
6	275 ÷ 7 = ▒ rem. ▒	rem.
7	$10^3 - 10^2$	
8	(a) $\frac{3}{5}$ = ▒ %	(a) %
	(b) $\frac{9}{10}$ = ▒ %	(b) %
9	£10 − (2 × 46p) = £▒	£
10	$1\frac{3}{10} + \frac{2}{3} + \frac{7}{10}$	
11	1.5 litres − ▒ mℓ = 600 mℓ	mℓ
12	£0·17 × 8	£

B

		ANSWER
1	Find in degrees the reflex angle to (a) 85° (b) 148°.	(a) ° (b) °
2	How many 50-g cans have a total mass of 2 kg?	
3	Decrease £3·50 by 4p in the £.	£
4	Approximate	
	(a) 9 ℓ 870 mℓ to the nearest litre	(a) ℓ
	(b) 3.560 kg to the nearest $\frac{1}{2}$ kg.	(b) kg
5	What was the date 6 months before 1st March 1990?	
6	Divide nine hundred and seventy-two by nine.	
7	(a) 5% of £6·00 = ▒ p	(a) p
	(b) 15% of £6·00 = ▒ p	(b) p
8	At 90 km/h what distance is travelled in 10 min?	km
9	Find the cost of 1.75 litres at 60p per ℓ.	£
10	Divide a length of 48 cm into two pieces so that one is twice as long as the other.	cm cm
11	What fraction in its lowest terms is (a) £27 of £36 (b) £2·50 of £20?	(a) (b)
12	 Find the area of the triangle.	

C

		ANSWER
1	There were 3500 spectators at a football match. 7% were women. How many women were there?	
2	A bottle holds 300 mℓ. Find in litres the contents of 12 bottles.	ℓ
3	 In the diagram there are 100 small squares. Find as a fraction in its lowest terms the part which is (a) shaded ▒ (b) unshaded □ (c) coloured. ■	(a) (b) (c)
4	3.75 × 8 = 30 Write the answers to (a) 375 × 8	(a)
	(b) 3.75 × 80.	(b)
5	A sea cruise started on 25th August and ended on 7th September. For how many days did the cruise last?	
6	A plan is drawn to the scale of 1 mm to 50 cm. What fraction represents this scale?	
7	The average mass of 3 parcels is 6 kg. Two of the parcels have a mass of 4.6 kg and 6 kg. Find the mass of the third parcel.	kg
8	 A sheet of plywood 26 cm by 8 cm is cut into strips 2 cm wide. Find the total length of the strips.	cm
9	1 mℓ or 1 cm^3 of water has a mass of 1 g. Find the mass of water in kg	
	(a) in a can which holds $1\frac{3}{4}$ litres	(a) kg
	(b) in a tank the volume of which is 6400 cm^3.	(b) kg
10	7 articles cost £2·47. Find to the nearest penny the cost of one.	p
11	The diameter of this wheel is 50 cm. How far in m does the wheel travel for 1 turn? (C = πd, π = 3.14)	m
12	The price of $\frac{1}{2}$ kg of potatoes was increased from 25p to 30p. Find the increase as a percentage of the original price.	%

Turn back to page 30 and work for the third time Progress Test 2. Enter the result and the date on the chart.

Section 2 Test 2

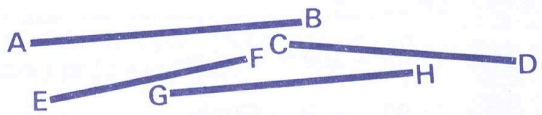
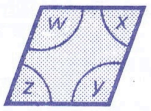
A

		ANSWER
1	25 + 5 + 16 + 4	
2	2009 − 10	
3	85p × 4 = £ ▒	£
4	900 mℓ + 870 mℓ = ▒ ℓ ▒ mℓ	ℓ mℓ
5	$\frac{18}{3}$ = ▒ whole ones	
6	30 − (7 × 4)	
7	2670 m + ▒ m = 3 km	m
8	£2·58 ÷ 3	p
9	(15 − 6) + (33 − 4)	
10	180 ÷ y = 9. Find the value of y.	
11	Find (a) $\frac{1}{8}$ of 72 (b) $\frac{7}{8}$ of 72.	(a) (b)
12	$2^2 + 3^2$ = ▒	

B

		ANSWER
1	Write as a decimal fraction (a) $\frac{3}{10}$ (b) $\frac{5}{10}$.	(a) (b)
2	How many h and min in 95 min?	h min
3	Which 3 coins together equal 57p?	p p p
4	Subtract 50 from 8000.	
5	Write 435 cm to the nearest $\frac{1}{2}$ m.	m
6	If 10 marbles cost 32p, what will be the cost of 40 marbles?	£
7	What is the total of seven, twenty-nine and fourteen?	
8	1 kg costs £1·28. What is the cost of 250 g?	p
9	9 FIVES plus 6 TWOS	p
10	How many g must be added to 970 g to make 1$\frac{1}{2}$ kg?	g
11	Multiply the sum of 16 and 9 by 8.	
12	Subtract 8 from the product of 9 and 7.	

C

		ANSWER
1	A car travels at 100 km/h. How far will it travel in 15 min?	km
2	Write, in 24-hour clock time, the correct time for each digital clock if (a) Clock X is 18 min fast (b) Clock Y is 25 min slow.	(a) (b)
3	Find the cost of 6$\frac{1}{2}$ metres of ribbon at 18p per metre.	£
4	A tin of fruit has a mass of 450g. Find to the nearest kg, the mass of 6 tins.	kg
5	 Which line is parallel to the line AB?	
6	Jenny bought the following: carrots 45p, potatoes 65p. How much change did she get from £2?	p
7	 Which of the angles w, x, y, z are (a) obtuse (b) acute?	(a) (b)
8	What must be added to one-sixth of 48 to equal $\frac{1}{7}$ of 63?	
9	Find the difference between (8 + 8 + 8 + 8) and 8 times 6.	
10	What is a half-share of the sum of 6 FIVES and 8 TWOS?	p
11	TOMATO PUREE 21p per tin ★ **6 tins for £1·14** How much is saved per tin by buying 6 tins at a time?	p
12	50 milk straws are used on each of 5 days in a week. How many weeks will 2000 straws last?	

Spellings- Week 12

Go to the following link:
https://www.ictgames.com/mobilePage/literacy.html

Select- Look, Cover, Write, Check game

Click Yrs 5&6

Click the patterns tab.

Select you word list and click on go!

Week 12 practise spelling - ent words

Comprehension Questions To Support The Teaching of Holes By Louis Sachar

Read Chapters 30-32

1. Why does Zigzag ask for an extra carton of juice?

2. How does Stanley feel when Zero digs a hole for him?

3. How does Stanley react when the boys tease him?

4. How does Mr Pendanski tell Stanley he should teach Zigzag a lesson?

5. Why does the Warden come out from her cabin?

6. Why does it seem as though Mr Pendanski has it in for Zero?

7. Why do you think Zero hits Mr Pendanski with the shovel?

8. How does Stanley feel after Zero disappears?

9. What are Stanley's worries when he considers making a deal with the warden?

10. Where is Zero living when he gets arrested?

11. Why do you think the warden wants to destroy Zero's records?

12. What special skill does Twitch claim to have?

13. Do you think Stanley cares about Zero? Why/Why not?

14. Do you agree that Stanley stealing the truck is, 'the stupidest thing he had ever done in his short and miserable life'? Why/Why not?

15. Do you think that it is a good idea for Stanley to run away after he crashes? Why/Why not?

Topic Tasks- Week 12

This is week our topic will be, "Healthy Eating." You will be completing the following activities:

- The Healthy Eating Plate
- The Human Digestive cut and stick
- The Digestive System word search
- Make a healthy snack or meal

Karaoke Challenge

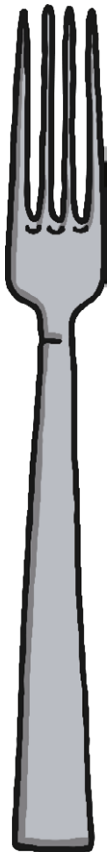
Can you learn the following song?

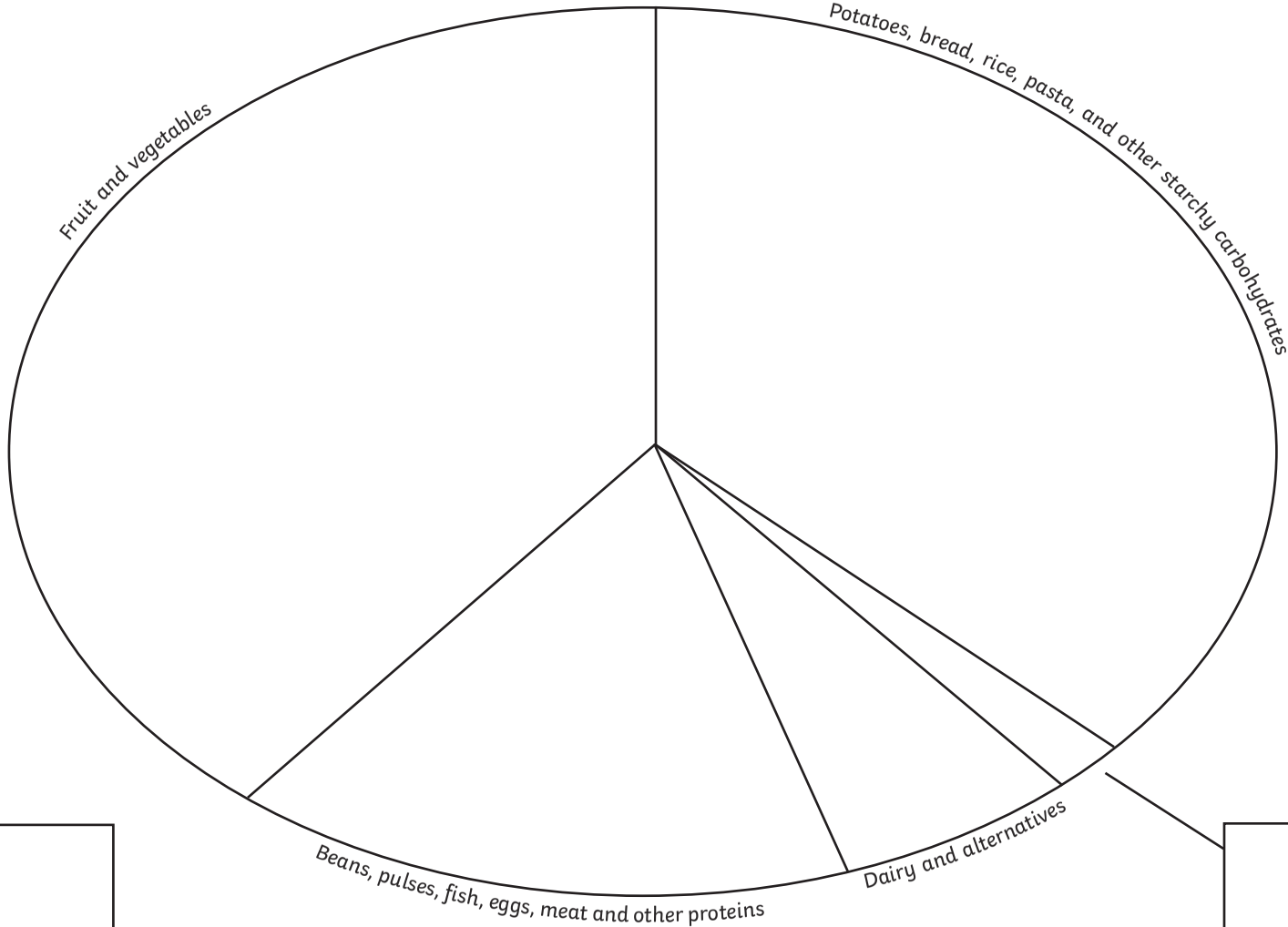
1) The Digestive System song by Mr Parr

https://www.youtube.com/watch?v=8sDMVgw9d-c&list=PLSQwifbcqgeut7SkQW4DhuxINRAja5PU2&index=5

Please send me any pictures or video clips of you singing along!

Healthy Eating Meal

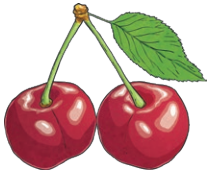


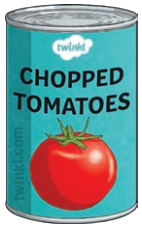


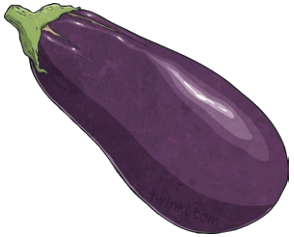
High in fat, salt and sugar

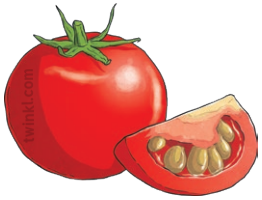
Oils and spreads

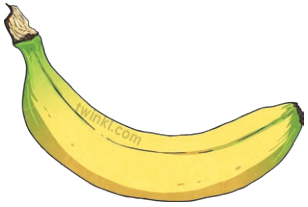
Cut out the food to sort and put on your plate.

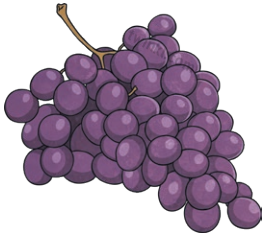


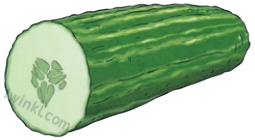


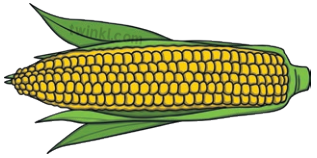












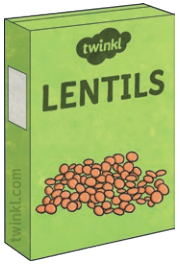
TUNA

SEMI SKIMMED MILK

BEANS
LOWER SALT AND SUGAR
Premium

SOYA DRINK

LOW FAT SOFT CHEESE


LENTILS

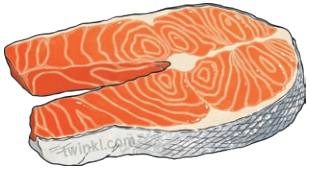
SPAGHETTI

Sunflower Oil

LOWER FAT SPREAD

PREMIUM WHOLEMEAL

BAGELS

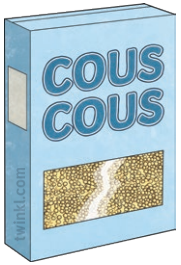


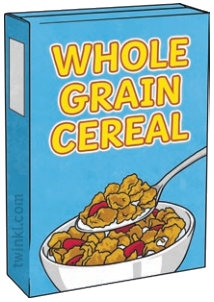
CHICK PEAS

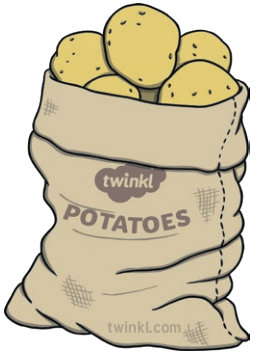
PLAIN NUTS

YOGHURT

RICE


COUS COUS


WHOLE GRAIN CEREAL


POTATOES

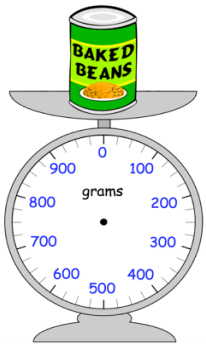
PASTA

Cut out the food to sort and put on your plate.

Crisps	Fizzy drink	Pasta	Fish fingers	Bread
Chocolate	Strawberries	Yoghurt	Fish and chips	Burger
Lettuce	Chicken	Cucumber	Steak	Apple
Peas	Olive oil	Potatoes	Butter	Cereal
Fish	Cheese	Meat	Banana	Broccoli
Baked beans				

Week 12 Day 2: Metric Units. Watch videos 71, 72 & 73 and complete task.

1. A can of beans has a mass of 450 grams



Draw an arrow on the scale to show 450g

Olivia has two cans of beans.

What is the mass of two cans of beans?

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2. Two apples have the same mass.

Together they have a mass of 320g

What is the mass of one apple?

3. Draw a 5 centimetre line.

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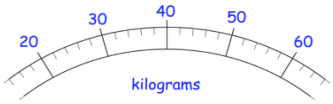
4. Chloe weighs 58 kilograms.

David weighs 26 kilograms less than Chloe.

Draw an arrow on the scale to show how much David weighs.



5. Change 4 metres into centimetres

cm

6. Change 300 centimetres into metres

m

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7. Change 80 millimetres into centimetres

cm

8. Change 9 kilometres into metres

m

9. Change 6 litres into millilitres

ml

10. Change 20 kilograms into grams

g

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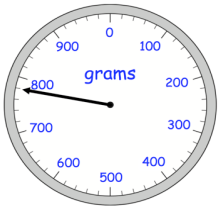
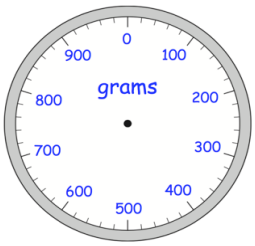
11. Frank places some oranges on a scale.



He takes away one orange.
The mass goes down by 130 grams.

Draw the pointer in its new position.



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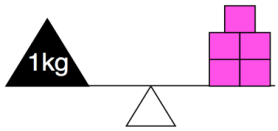
12. 5 identical pink blocks have a mass of 1 kilogram.



Find the mass of one pink block

13. Ruth runs 800 metres on Monday, Tuesday, Wednesday, Thursday and Friday.

How far has she run in total?
Give your answer in kilometres

km

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14. Change 2.8 metres into centimetres

cm

15. Change 55 centimetres into metres

m

16. Change 780 metres into kilometres

km

17. Change 0.04 kilometres into metres

m

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18. Change 750 millilitres into litres

L

19. Change 5.2 kilograms into grams

g

20. Change 13.5 litres into millilitres

ml

21. Change 16 grams into kilograms

kg

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22. Matthew is 1.74 metres tall.

Write this height in centimetres

cm

---

23. James and Jack buy 3 litres of orange juice.

Each boy drinks 650 millilitres of orange juice.

How much orange juice is left?

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24. Rebecca has two dogs, Lucky and Pepe

Lucky has a mass of 7.2 kilograms

Pepe is 900 grams lighter than Lucky

How heavy is Pepe?

---

25. Michael and Rosie each have a bottle of water.

Michael's bottle contains $1\frac{3}{4}$ litres

Rosie's bottle contains 2.2 litres.

How many more **millilitres** of water does Rosie have than Michael?

ml

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26. Four friends are in a race.

Alice is 4 metres ahead of Barry.

Ciara is 9 metres behind Dylan

Barry is 5 metres behind Dylan

Write the names of the runners in order, starting with the friend who is furthest ahead.

furthest ahead

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27. A bottle of cola holds 3 litres.

How many 150 millilitre glasses can be poured from the bottle?

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28. Grapes cost £4.80 per kilogram
Blueberries cost £8 per kilogram

Work out the **total cost** of 250g of grapes and 100g of blueberries

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29. There are 14 children at a birthday party.

There are 8 litres of lemonade at the beginning of the party.

Each child drank 280 millilitres of lemonade.

How much lemonade is left?

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30. A gram of saffron costs £6.18 per gram.

What is the cost of **half a kilogram** of saffron

£

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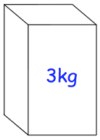
31. A box contains 3kg of rice.

Mario uses 75 grams of rice for each meal.



How many meals did Mario make?

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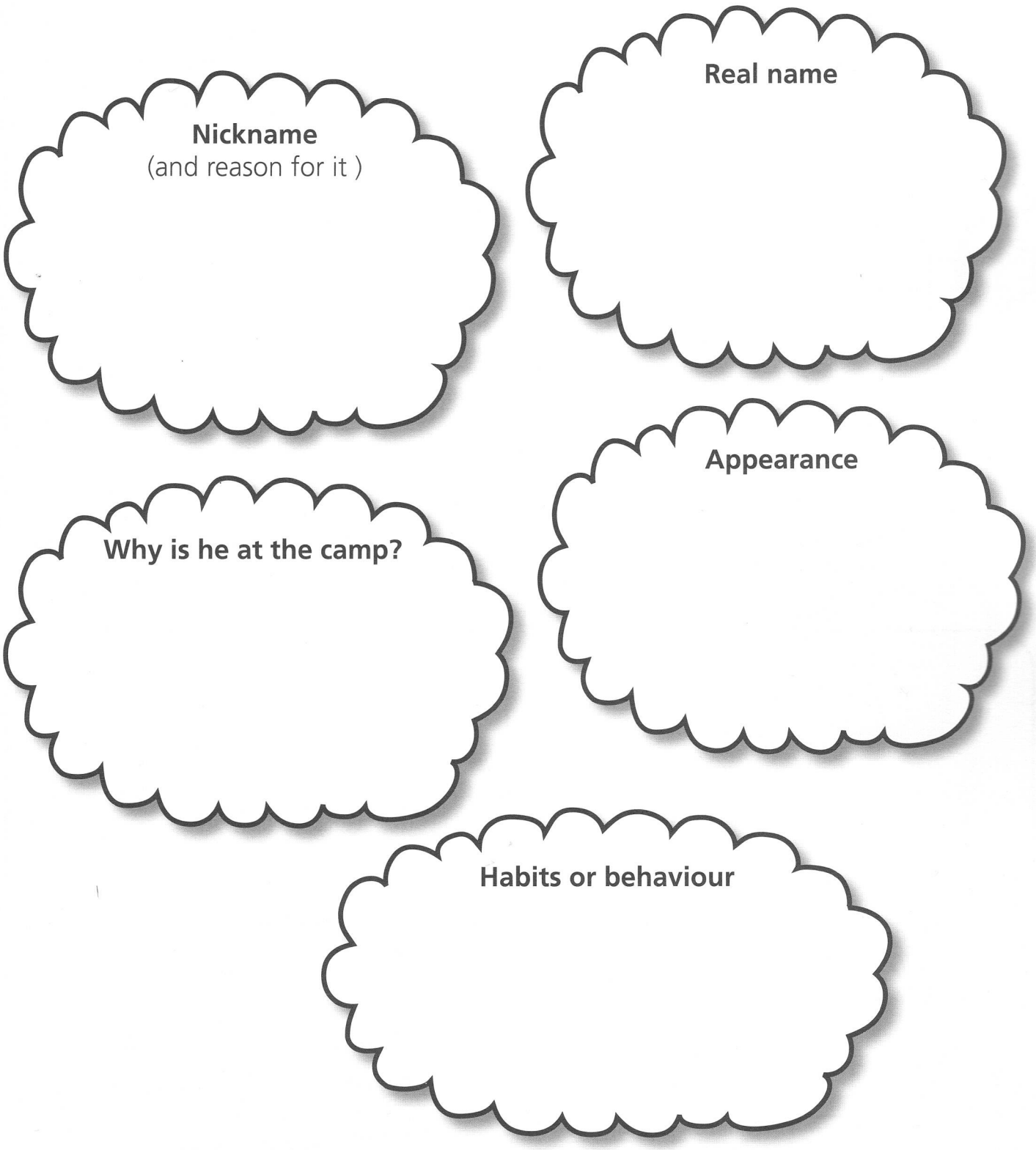
A new boy in camp

- Invent a new boy character who has just arrived at the camp.



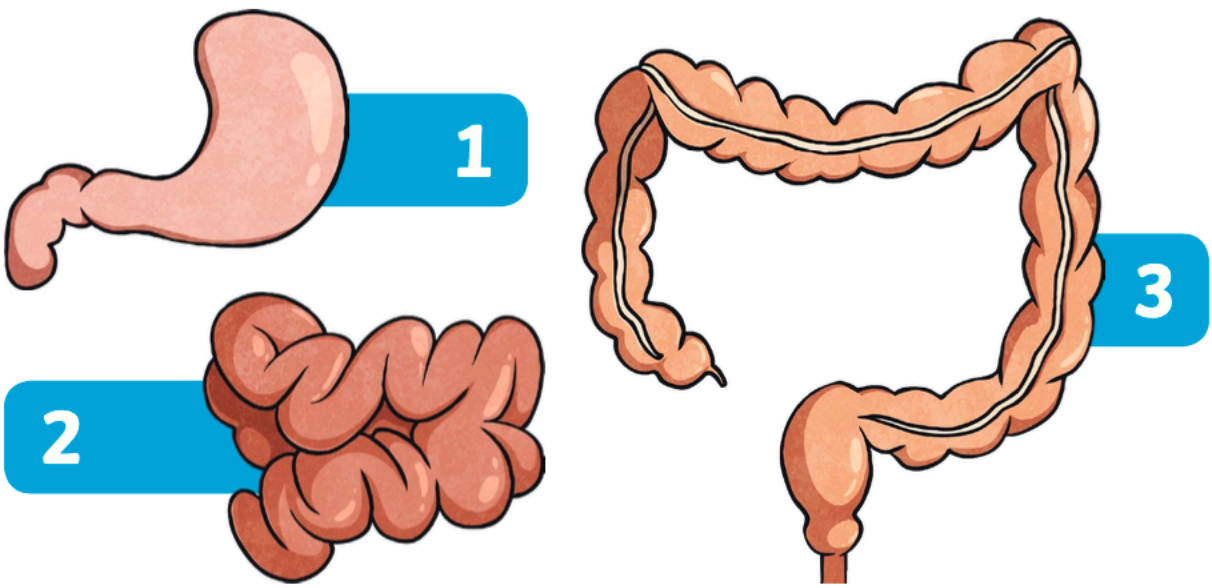
- On the other side of this sheet, write about an incident that might happen at Camp Green Lake that shows his character.

The Human Digestive System

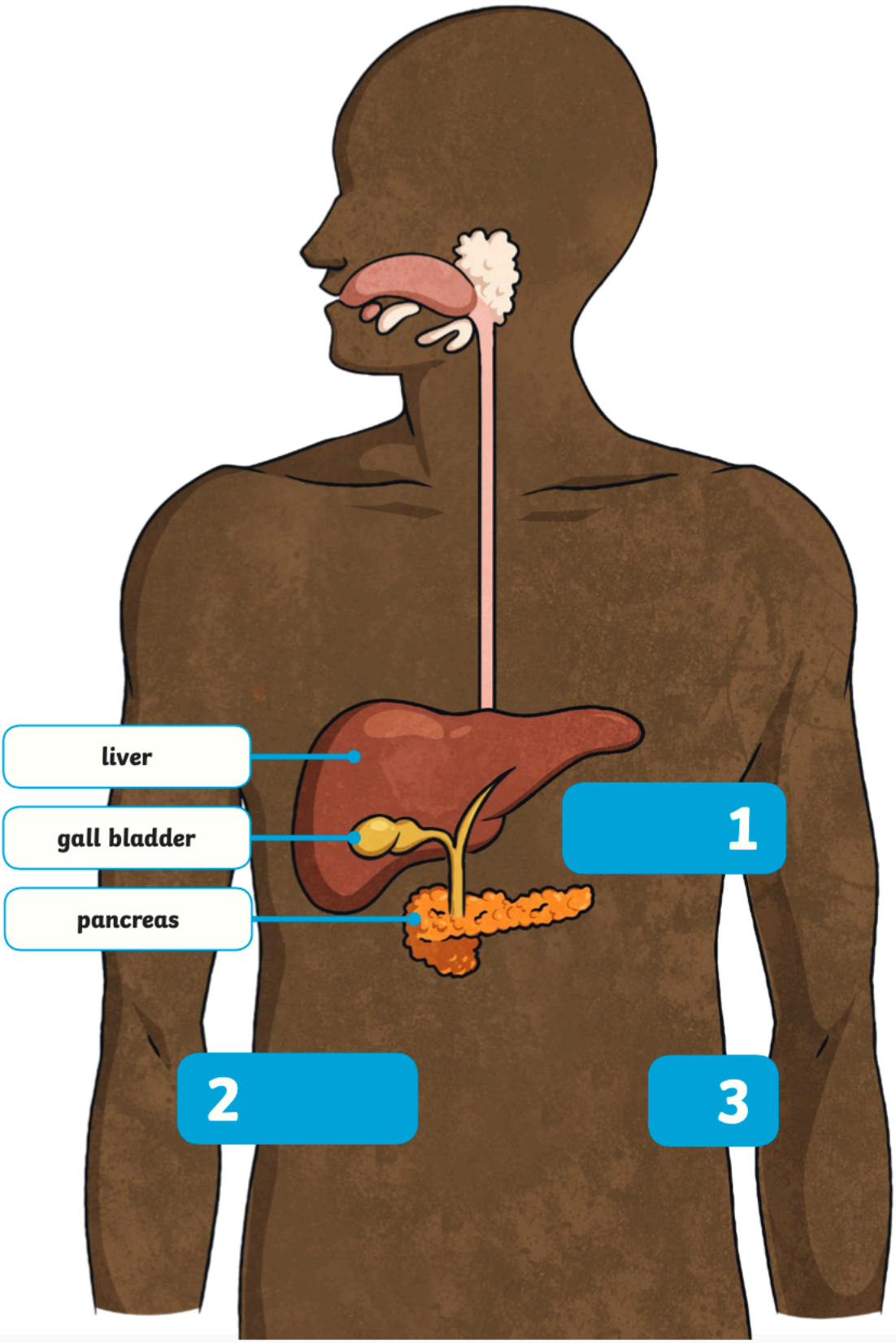
1. Cut out the organs below and stick them by their tabs into the correct positions on the human body. Stick the tabs down in their numbered order.
2. Then cut out the labels and match them, using their numbers, to each part of the digestive system.
3. Join your labels to the diagram with a ruled line.
4. Finally, cut out and match the functions to each part of the digestive system.

Digestion begins in the **mouth**. The teeth help break down the food into smaller pieces. The **oesophagus** connects your mouth and stomach. It has muscles within it that work in waves to move the food you have eaten down into your stomach.
The **small intestine** is a stretchy tube. It breaks down the food mixture even more so your body can absorb all the vitamins, minerals, proteins carbohydrates and fats.
The **stomach** is a stretchy sack where food is broken down by acids and enzymes. Once it is broken down, it becomes a substance called chyme. It also connects to other parts of the digestive system.
All the food material that is still unwanted passes through the **large intestine**. It is here that any last water or minerals are absorbed into the blood.

3. large intestine
oesophagus/mouth
1. stomach
2. small intestine



The Human Digestive System



Week 12 Day 3: Using Calculations. Watch video 74 and complete task.

1. $47 \times 23 = 1{,}081$

Use this multiplication to complete the calculations below

1,081 ÷ 23

1,081 ÷ 47

47 × 230

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2. $19 \times 345 = 6{,}555$

Use this multiplication to complete the calculations below

190 × 345

19 × 34.5

20 × 345

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3. $42 \times 31 = 1{,}302$

Use this multiplication to complete the calculations below

42 × 62

21 × 31

42 × 32

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4. $22{,}176 = 84 \times 264$

Use this multiplication to complete the calculations below

8.4 × 264

83 × 264

84 × 263

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5. $23,290 = 274 \times 85$

Use this multiplication to complete the calculations below

274 x 8,500

27.4 x 85

2,329 ÷ 85

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6. $96 \times 24 = 2,304$

Explain how you can use this fact to answer **48 x 12**

.....

.....

7. $3,088 \div 16 = 193$

Explain how you can use this fact to answer **17 x 193**

.....

.....

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8. $11,931 \div 123 = 97$

Explain how you can use this fact to answer **97 x 122**

.....

.....

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Comprehension Questions To Support The Teaching of Holes By Louis Sachar

Read Chapters 33-36

1. Why does Stanley think he should only go halfway as far as he feels he can?

2. What is the difference between the holes at the camp and the holes outside the compound?

3. What does Stanley see when he looks into the first hole?

4. What does Stanley have for lunch?

5. Where does Stanley find encouragement while he walks?

6. What strange object does Stanley come across?

7. Where do you think the object has come from?

8. How has Zero survived in the desert?

9. How does Barf Bag end up in hospital?

10. Do you think Zero is right about not returning to camp? Why/Why not?

11. Why is the Big Thumb like chasing the moon?

12. Who do you think the boat is named after?

13. What does Stanley do to distract Zero from his pain?

14. What worries Stanley most about dying?

15. Do you think the boys make a good team? How does this help them, do you think?

Digestive System

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

pancreas	oesophagus	anus
intestine	stomach	liver
tongue	swallow	mouth
teeth	chew	colon

Week 12 Day 4: Think of a Number. Watch video 65 and complete task.

1. Erin thinks of a number

   She multiplies it by 3.
   Then she adds 4.

   Her answer is 22

   What was the number Erin started with?

2. Danny thinks of a number

   He subtracts 8 and then multiplies by 6.

   His answer is 30

   What was the number Danny first thought of?

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3. Eva thinks of a number

   She divides the number by 4.
   Then she adds 7.

   Her answer is 13.

   What was the number Eva first thought of?

4. John thinks of a number

   He add 19.
   Then he doubles the answer.

   His final answer is 100.

   What was the number John first thought of?

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5. Sam thinks of a number.

   He halved his number and then added 75.

   The answer is 101.

   What was the number Sam first thought of?

6. Harry thinks of a number.

   He multiplies his number by 3.
   Harry then adds 8.
   He then multiplies his result by 4.

   His final answer is 80

   What was the number Harry first thought of?

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7. Isabelle thinks of a **whole** number

   She multiplies it by 3

   She rounds her answer to the nearest 10.

   The result is 40.

   Write all the possible numbers that Isabelle could have started with

   .....

8. Jonathan thinks of a number.

   He adds 9
   He multiplies his result by 12
   Then he takes away 16.
   His final answer is 80.

   What number did Jonathan start with?

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9. Shannon thinks of a number

She **multiplies the number by 6** and then **subtracts 70** from the result

Her answer equals the number she started with.

What was the number Shannon started with?

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10. Pip thinks of a number

He **multiplies the number by 4** and then **subtracts 72** from the result

His answer equals the number he started with.

What was the number Pip started with?

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11. Molly thinks of a number

She adds half of the number to a third of the number.

Her answer is 75.

What was the number Molly first thought of?

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12. Luke thinks of a number

He adds half of the number to a third of the number.

His answer is 100.

What was the number Luke first thought of?

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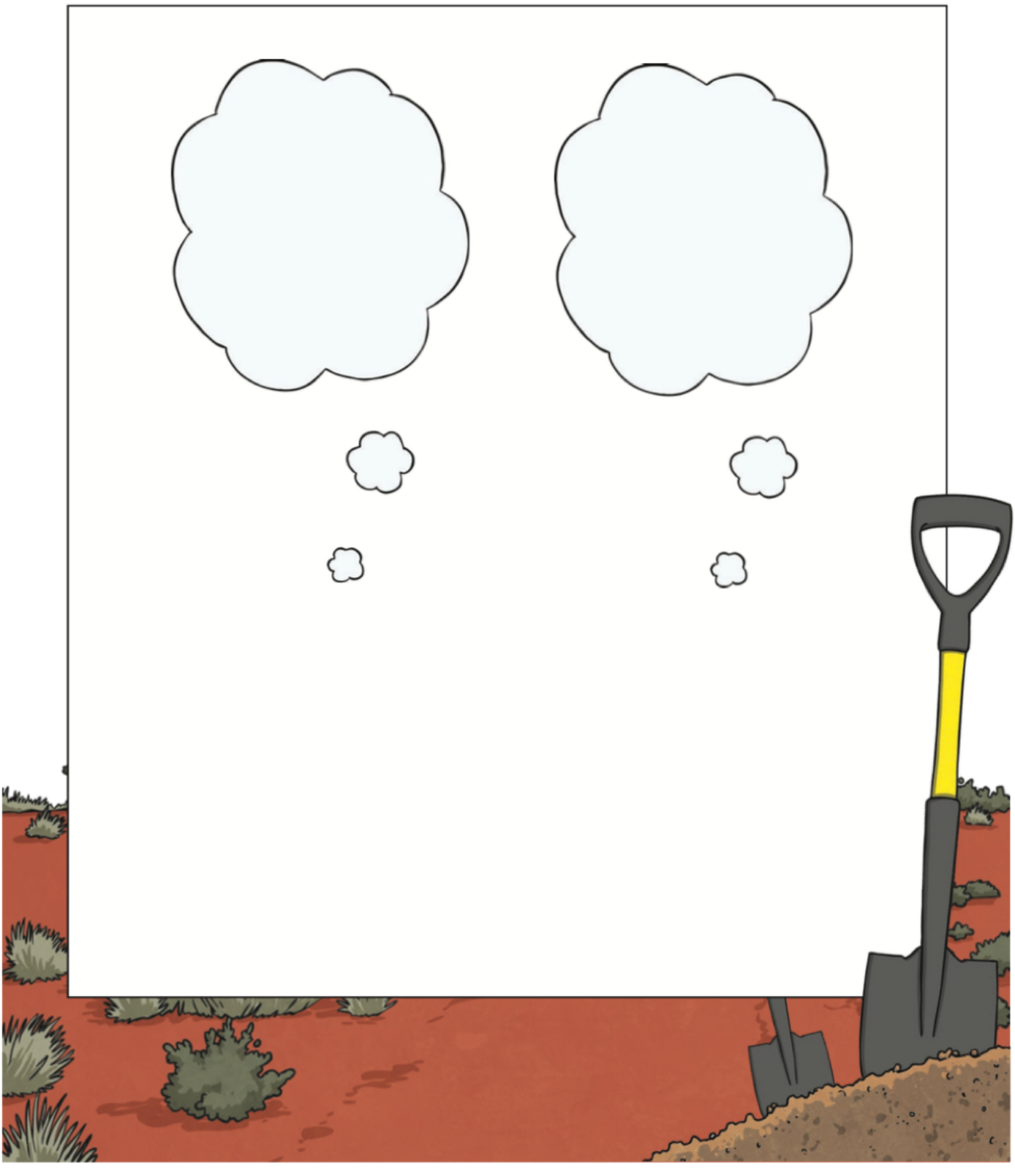
Zero and Stanley Hiding Away

Draw Zero and Stanley hiding under the boat. Use the thought bubbles to write what you think they might be thinking.



Healthy Snack Task

Now that you know lots of information about healthy food. Get you aprons on and start cooking. With the help of an adult can you make a healthy snack or meal?

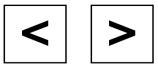
Please send me the recipe and some pictures of you in action. We will post all entries on our school Facebook page and on our class Dojo.

Year 7 this will be great preparation for next year's Home Economics lessons.

I'm really looking forward to seeing the results of your hard work!

Week 12 Day 5: Inequality Signs. Watch video 32 and complete task.

1.



Write the correct symbol in each box to make the statements correct

14 ☐ 16

20 ☐ 19

58 ☐ 55

99 ☐ 101

151 ☐ 149

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2 Write the correct sign **>** **or** **<** in each box

1,098 ☐ 1,100

6,821 ☐ 6,812

9,999 ☐ 10,000

3. Show if each statement is right (✓) or wrong (✖)

			Right or Wrong
81	<	83	
112	<	110	
148	>	149	

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4. Write the correct sign **>** **or** **<** in each box

6.8 ☐ 6.7

2.4 ☐ 2.5

8.21 ☐ 8.9

1.23 ☐ 1.2

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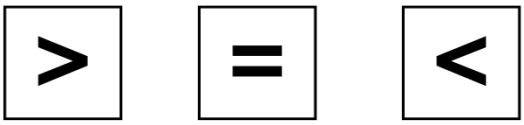
5.



Write the correct symbol in each box to make the statements correct

12×12 ☐ 14×10

$80 \div 20$ ☐ $75 \div 25$

60×4 ☐ 3×80

$120 \div 5$ ☐ 5^2

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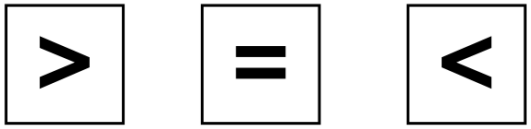
6.



Write the correct symbol in each box to make the statements correct

75×12 ☐ 30×40

4^3 ☐ $50 + 6 \times 2$

$4 \times 3 \times 2 \times 1 \times 0$ ☐ $4{,}444 \div 4{,}444$

$2 - 3$ ☐ $20 - 30$

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Comprehension Questions To Support The Teaching of Holes By Louis Sachar

Read Chapters 37-40

1. What is Stanley worried will happen when they reach the Big Thumb?

2. Why does Stanley not want to stop and rest?

3. How does Stanley figure out that there is water close by?

4. Why do you think Stanley tells Zero he has ordered him a sundae?

5. How does Stanley discover the mud?

6. Do you think Stanley is a generous character? Why/Why not?

7. When Stanley is climbing, he thinks, 'only about each step and not the impossible task before him'. How do you think this helps Stanley to keep going?

8. Why does Stanley need his shovel?

9. Why is Stanley afraid to leave Zero?

10. What confession does Zero make to Stanley?

11. Why is Mrs Tennyson grateful to Sam?

12. What kind of a man do you think Sam is? Why do you think so?

13. How does Mrs Tennyson repay Sam for saving her daughter?

14. Why do you think Stanley finds the climb so much harder this time?