Week 13

Week 13 Day 1: Mental Maths … remember to use jottings

A | ANSWER

1. $5.305 = 5 + \dfrac{\square}{1000}$ ____ 1000

2. 1% of sixteen thousand ____

3. 4.375 kg = ▤ g ____ g

4. £2 − (27p + 65p) = £ ▤ ____ £

5. 2 ℓ 450 mℓ − 0.5 ℓ = ▤ mℓ ____ mℓ

6. 0.4 + ▤ = 0.476 ____

7. £1·76 × 5 ____ £

8. 0.75 km = ▤ m + 325 m ____ m

9. $\dfrac{x}{100} = 13.07$ Find x. ____

10. 38 min + 2 h + 47 min = ▤ h ▤ min ____ h ____ min

11. (a) 10% of £20·40 (a) £ ____
    (b) 2½% of £20·40 (b) £ ____

12. ⅙ of 45 cm = ▤ mm ____ mm

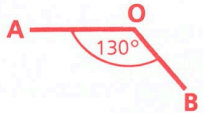## B | ANSWER

1. | 5 | 6 | 3 | 7 | 9 |
   Which of these numbers are factors of 75? ____ ____

2. Find the average of 3, 1.4, 2 and 2.6. ____

3. Write (a) $\frac{47}{8}$ as a mixed number (a) ____
   (b) $5\frac{5}{6}$ as an improper fraction. (b) ____

4. What is the cost of 400 g at £1·50 per ½ kg? £ ____

5. By how many is 450 × 1000 less than ½ million? ____

6. By how many degrees does the temperature fall from 8°C to −5°C? ____ °C

7. 25% of my money is £35. Find the whole amount. £ ____

8. Approximate to the nearest whole number (a) 79.63 (a) ____
   (b) 12.475. (b) ____

9. By how many mm is 95.4 cm less than 1 m? ____ mm

10. Find the least number of pennies which must be added to 92p to make the amount exactly divisible by 6. ____

11. What percentage of 2 litres is (a) 400 mℓ (a) ____ %
    (b) 100 mℓ? (b) ____ %

12. Find the volume of the box in cm³. ____ cm³

C | ANSWER

1. By how many thousandths is 1.057 less than 2? ____ thousandths

2. By how many degrees is the reflex angle AOB greater than the obtuse angle AOB? ____ °

3. A girl spends ½ of her money on bus fares and $\frac{5}{12}$ on sweets. What fraction of her money is left? ____

4. Find the distance travelled in 1 h 40 min at a speed of 90 km/h. ____ km

5. From the scale on the spring balance read as accurately as possible the mass shown by the pointer. Write the answer in g. ____ g

6. The population of a town was a quarter of a million, reduced later by 4%. By how many was the population reduced? ____

7. How much change is there out of £15 after spending £9·50 and £3·20? £ ____

8. The total length of 5 laths is 16.25 m. Find in m and cm the length of 3 laths. ____ m ____ cm

9. A bus runs at intervals of 25 min. What are the times of the next two buses after 08.15? ____ ____

10. CASH PRICE £60 or 10% WEEKLY FOR 12 WEEKS. By how much is it cheaper to pay cash? £ ____

11. A path is 9 m long and 80 cm wide. Find its area in m². ____ m²

12. Ravi is given £13 as birthday gifts. He spends 9% and saves the remainder.
    (a) What percentage does he save? (a) ____ %
    (b) How much money does he spend? (b) £ ____

40

Section 2   Test 3

A | | ANSWER

1

T U tenths

Write the number shown on the abacus picture as a decimal. _____

2 $(5 \times 6) + 4$ _____

3 80 tenths = ☐ units _____

4 $\frac{2}{3}$ = ☐ sixths _____ $\overline{6}$

5 $46 + 64$ _____

6 125×4 _____

7 $\frac{3}{4}$ min = ☐ s _____ s

8 $(9 + 9) - (4 + 8)$ _____

9 $(32 \div 4) + (0 \div 8)$ _____

10 £8·54 ÷ 7 £ _____

11 $1\frac{1}{2}$ km − 560 m = ☐ m _____ m

12 £5·00 − £ ☐ = £3·46 £ _____

B | | ANSWER

1 Write as a decimal fraction of a cm (a) 5 mm (b) 8 mm. (a) ____ cm (b) ____ cm

2 How many h and min from noon to quarter to four in the afternoon? ____ h ____ min

3 Write 6 m 875 mm to the nearest m. _____ m

4 Find the cost of $4\frac{1}{4}$ kg at 16p per kg. _____ p

5 Multiply 6 by 6 and divide the answer by 9. _____

6 $\frac{3}{4}$ of a sum of money is 21p. Find the sum of money. _____ p

7 Find the total of (16 + 9) and (5 × 5). _____

8 Find one half of four thousand five hundred. Write the answer in figures. _____

9 Subtract the sum of 23p and 28p from £1. _____ p

10 Add the even numbers between 35 and 39. _____

11 How many FIVES are equal in value to £7? _____

12 Make each of the following 10 times smaller (a) 8 (b) 131. (a) ____ (b) ____

C | | ANSWER

1

cm 1 2 3 4 5 6 7
Y   Z

Write the length of the line YZ

(a) in cm and mm (a) ____ cm ____ mm

(b) in cm. (b) ____ cm

2 Find the difference between $\frac{1}{4}$ of £0·76 and $\frac{3}{4}$ of £0·76. _____ p

3 How many days altogether in April, May and June? _____

4

S A L E

ALL GOODS REDUCED BY 15p IN THE £

How much will be paid for an article which cost £3 before the sale? _____ £

5 Find the sum of money which is 30p less than the sum of 7 TENS and 7 TWOS. _____ p

6

| $\frac{3}{4}$ | $\frac{1}{3}$ | $\frac{1}{5}$ | $\frac{5}{8}$ | $\frac{4}{6}$ |

Which two of the fractions when added together equal one whole one? ____ ____

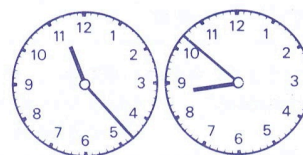**7** The perimeter of a square is 10 cm. Find the length of one side

(a) in cm and mm (a) ____ cm ____ mm

(b) in cm. (b) ____ cm

8 A shopkeeper wrote 130 kg on an order form instead of 13 kg. By how many kg was the order too much? _____ kg

9

morning   evening

Write in figures the times shown on the clock faces. Use a.m. or p.m.

(a) _____

(b) _____

10 In a class of 28 children, there were 4 more girls than boys. How many boys were there in the class? _____

11 Cups cost 44p each and saucers half as much. Find the total cost of 6 cups and 6 saucers. _____ £

12 Elaine and Liza are twins. For their birthday they were given 3 FIFTIES and 9 TWENTIES which they shared equally. How much did each have? _____ £

Spellings- Week 13

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 13 practise spelling – ence words

Comprehension Questions To Support The Teaching of Holes By Louis Sachar

Read Chapters 41-43

1. Why did Zero avoid going to the homeless shelter too often?

    _____

    _____

2. Why didn't Zero realise he was stealing valuable shoes?

    _____

    _____

3. What did Zero do with the shoes when he got outside?

    _____

    _____

4. How would things have been different if Zero had kept the shoes?

    _____

    _____

    _____

5. How do you feel about Zero at the end of this chapter? Why?

    _____

    _____

    _____

6. How do you think Zero feels when he realises that Stanley was blamed for his crime? How would you feel if you were Zero?

    _____

    _____

7. How does Zero separate the water from the dirt?

    _____

    _____

8. Why had Stanley hated school?

    _____

    _____

9. Why do you think Stanley feels glad that Zero put the shoes on the car that day?

_____

_____

10. Why would Stanley have to spend his life as a fugitive?

_____

_____

_____

11. How do both boys show their stubbornness on the way down?

_____

_____

12. Who, do you think, is Jaffy?

_____

_____

13. Do you think things might have turned out differently for Zero if the mother at Laney Park had been kind to him? How?

_____

_____

_____

14. Stanley feels terror rush over him when he sees the compound. Describe a time when you were about to do something that really scared you.

_____

_____

_____

15. The boys are taking a big risk going back to Camp. Do you think sometimes it is worth taking a risk? Why/Why not?

_____

_____

_____

Week 13 Day 2: X / ÷ by 10, 100 and 1000. Watch video 40.

1. 8 x 100

2. 1,000 x 4

3. 100 x 25

7. 610 ÷ 10

8. 900 ÷ 100

9. 4,000 ÷ 100

4. Circle the number that is 10 times smaller than 80

    90   70   8   800

5. Natalie wants to buy a car.

    She saves £100 a month.

    How much money will she have saved after 11 months?

    £

6. A box holds 10 eggs.

    Martha buys 45 boxes of eggs.

    How many eggs does Martha buy?

10. A ticket for a charity concert costs £10.

    450 tickets are sold.

    How much money is raised for charity?

    £

11. Barry prints books that each have 100 pages.

    In total, he prints 9,000 pages

    How many books did Barry print?

12. Circle the number that is **10 times** greater than eight hundred and forty.
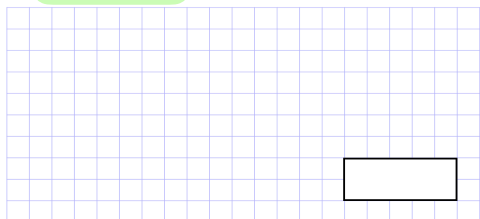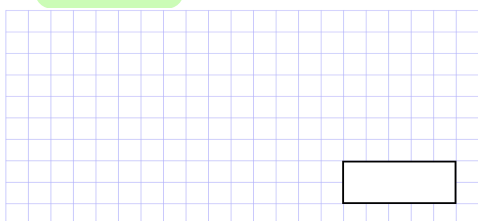
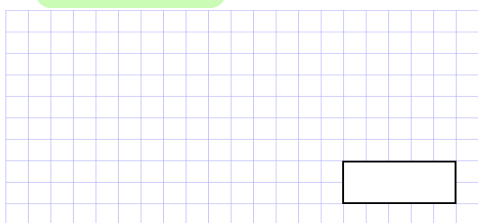   8,040   84   8,004   8,400   840

13. 100 × 296

14. 100 × 100

15. 38,000 ÷ 10

16. 1,432 × 100

17. 1,000 × 9,052

18. 150,000 ÷ 10,000

19. A box of staples holds 1,000 staples.

   Georgia wants to buy 300,000 staples.

   How many boxes of staples should Georgia order?

20. This table shows the area of two counties in England.

County	Area
Yorkshire	15,000 km²
Huntingdonshire	1,000 km²

   The area of Yorkshire is larger than the area of Huntingdonshire
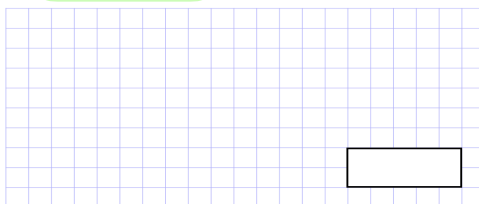
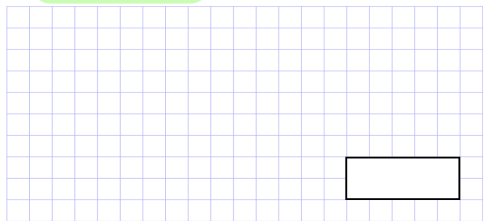   How many times larger is Yorkshire?

21. 0.8 × 10

22. 1.34 × 100

23. 61 ÷ 10

24. $0.2 \div 10$

25. $1.25 \times 1,000$

26. $0.5 \div 100$

27. $40 \div 1,000$

28. $1,000 \times 41.05$

29. $0.83 \times 10,000$

30. Match the question and the correct answers

$200 \div 10$	0.2
$0.2 \div 10$	20
0.2×10	2
$2 \div 10$	0.02
$2 \div 1000$	0.002

31. Here is a regular decagon.

3.8cm

Work out the perimeter of the decagon.

cm

32. A bakery makes 2,600 cupcakes in a week.

The cupcakes are placed into boxes of 10.
Each box of cupcakes is sold for £3.

How much money does the bakery make for selling the cupcakes?

£

33. Work out the missing numbers

$$2.8 \div \boxed{} = 0.028$$

$$2.8 \times \boxed{} = 2800$$

$$2.8 \div \boxed{} = 0.28$$

Comprehension Questions To Support The Teaching of Holes By Louis Sachar

1. Why does Zero think it is a bad idea for Stanley to go and refill the jars?

   _____

   _____

2. Why does Stanley have to dig very carefully?

   _____

   _____

3. Describe how Stanley digs the suitcase out of the ground.

   _____

   _____

4. How do you think the boys feel when they hear the warden's voice?

   _____

   _____

   _____

5. Why does Stanley have to suppress a scream?

   _____

   _____

6. What do you think the warden means when she says, 'won't be long now'?

   _____

   _____

7. Imagine you are the warden as a little girl. Write a diary entry describing your parents' obsession with digging and searching the ground.

   _____

   _____

8. Why does Mr Sir say that he will have nightmares for the rest of his life?

   _____

   _____

Comprehension Questions To Support The Teaching of Holes By Louis Sachar

9.   What does the warden plan to tell Stanley's parents?

_____

_____

_____

10. Stanley thinks about a fond memory from his childhood to make himself feel better. Write about a memory that makes you feel happy.

_____

_____

_____

11. Do you think the boys are right to keep still? What would you do in the same situation?

_____

_____

12. What does Zero figure out about Stanley's name?

_____

_____

_____

13. What lie does the warden tell the lawyer about the suitcase?

_____

_____

14. What amazing discovery does Zero make about the suitcase?

_____

_____

_____

15. Why, do you think, does the warden rush to hug the boys? Do you think she is really happy that they are alright? Why/Why not?

_____

_____

_____

Week 13 Day 3: Order of Operations. Watch video 44 (essential)

1. $7 + 2 \times 4$

2. $18 + 4 \div 2$

3. $20 - 5 \times 3$

4. $100 - 40 \times 2$

5. $20 - 5 + 6$

6. $15 \times 10 \div 5$

7. $35 - (9 + 3)$

8. $(7 + 19) \div 2$

9. $10 + 5 + 3 \times 3$

10. $5^2 + 10$

11. Matthew says that $9 + 4 \times 2 = 26$

Is Matthew correct? Explain why

Yes / No

....

....

....

12. Esme says that $36 + 8 \div 4 = 11$

Is Esme correct? Explain why

Yes / No

…………………………………………………………………

…………………………………………………………………

…………………………………………………………………

13. $10^2 - 40 \div 4$

14. $6 \times 2 + 3 \times 4$

15. $100 - 6 + 2 \times 3$

16. $15 \times 2 - 9 \div 3$

17. Put brackets into the calculation below to make it true

$$6 \times 7 + 3 - 8 = 52$$

18. Put brackets into the calculation below to make it true

$$4 + 3 \times 7 - 1 = 42$$

Comprehension Questions To Support The Teaching of Holes By Louis Sachar

Read Chapters 48-50

1. What does the warden say to try to get Stanley to open the suitcase?

   _____

   _____

   _____

2. What do you think will happen to Zero if he is left behind?

   _____

   _____

   _____

3. What favour does Squid ask of Stanley?

   _____

   _____

4. Why, do you think, can the Attorney General not find Stanley's file?

   _____

   _____

   _____

5. Why do the lizards not bite Stanley and Zero?

   _____

   _____

6. What has Stanley's father invented?

   _____

   _____

7. Do you think it is a coincidence that rain falls for the first time in 100 years at the end of this chapter? Explain.

   _____

   _____

   _____

8. Would you like to have Stanley as your friend? Why?

    _____

    _____

9. Who do we discover is Zero's great-great-grandmother?

    _____

    _____

10. What is Green Lake going to become in the future? It is going to be a Girl Scout camp. Do you think this is ironic? Why?

    _____

    _____

11. What name does Stanley's father use for his invention? Where do you think he got this idea?

    _____

    _____

    _____

12. Who, do you think, is the woman fluffing Zero's hair at the end?

    _____

    _____

13. How has Stanley's experience at Camp Green Lake changed him, do you think?

    _____

    _____

14. Do you like the ending of the book? Is there anything you would like to have turned out differently? Give reasons for your answer.

    _____

    _____

    _____

15. Imagine you are going to help the author come up with a sequel to this story. Write a summary of what is going to happen next.

    _____

    _____

    _____

Week 13 Day 4: Sequences. Watch video 57 and complete task.

1. The numbers in this sequence increase by the same amount each time

   Write the two missing numbers

   [ ]   12   17   22   [ ]

2. The numbers in this sequence increase by the same amount each time

   Write the missing numbers

   [ ]   36   42   [ ]   54   [ ]

3. The numbers in this sequence decrease by the same amount each time

   Write the next two numbers

   70   63   56   49   [ ]   [ ]

4. The numbers in this sequence increase by 13 each time

   Write in the two missing numbers

   [ ]   101   114   127   140   [ ]

5. The numbers in this sequence **decrease** by the same amount each time

   407,321   405,321   403,321   401,321 …

   What is the next number in the sequence?

   [ ]

6. Here is part of a number sequence.

   The numbers increase by the same amount each time.

   … 350   400   450   500 …

   Circle **all** of the numbers below that would appear in the sequence.

   740   900   905   950   1000

7. The numbers in this sequence increase by 10 each time.

6   16   26   ...

The sequence continues in the same way.

Write **two** numbers from the sequence that add to make **102**

[ ] and [ ]

8. The numbers in this sequence increase by 25 each time.

10   35   60   85 …
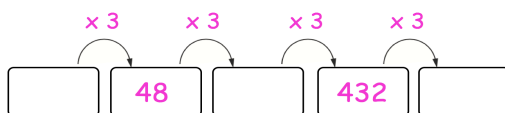
The sequence continues in the same way.

Which number in the sequence will be **closest to 350**?

[ ]

9. Here is a sequence

Write the missing numbers

×3   ×3   ×3   ×3

[ ]   48   [ ]   432   [ ]

10. Louis makes a sequence of numbers.

His rule is **"find half the last number and then add 20."**

Find the next two numbers in his sequence

56   48   44   [ ]   [ ]

11.   The first two numbers in this sequence are 3.4 and 2.7

The sequence then follows the rule

'to find the next number, add the two previous numbers'

Write in the next two numbers in the sequence

3.4   2.7   6.1   8.8   ☐   ☐

12.   The numbers in this sequence increase by the same amount each time.

Write in the missing numbers

3   ☐   ☐   30

13.   Polly makes a sequence of numbers starting with 500.

She subtracts 145 each time.

Write in the next two numbers in the sequence

500   355   210   65   ☐   ☐

14.   The numbers in this sequence increase by 4 each time.

4   8   12   16   …

The numbers in this sequence increase by 7 each time.

7   14   21   28   …

Both sequences continue

Write a number **greater than 100** which will be in **both** sequences

☐

15. The numbers in this sequence increase by 9 each time.

$$1 \quad 10 \quad 19 \quad 28 \quad 37 \quad \ldots$$

The sequence continues in the same way.

Will 900 be in the sequence? Explain why

Yes / No

……………………………………………………………………
……………………………………………………………………

16. A sequence of numbers starts at 15 and follows the rule

"**treble the last number and add 4**"

$$15 \quad 49 \quad 151 \quad 457 \ldots$$

The number 4129 is in the sequence

Calculate the number which comes immediately **before** 4129 in the sequence

Holes Book Review

Book Title: _____

Author: _____

Fiction or Non-Fiction: _____

What is the book about?

_____
_____
_____
_____
_____

What are the key themes in this novel?

_____
_____
_____
_____

Novel Front Cover

Rating:

What ages and interests is this book suitable for? Why?

_____
_____
_____
_____

Who would you recommend the book to? Why?

_____
_____
_____
_____
_____

Week 13 Day 5: Rounding. Watch video 56 and complete task.

1. Complete this table by rounding the numbers to the **nearest ten**

	Rounded to the nearest ten
36	
82	
155	
203	

2. Round 672

to the nearest 10

to the nearest 100

3. Round 347

to the nearest 10

to the nearest 100

4. Round 8,716

to the nearest 1,000

to the nearest 100

to the nearest 10

5. Write in the missing numbers

Number	Rounded to the nearest whole number
2.8	
5.3	
12.6	
20.5	

6. Complete this table by rounding the numbers to the **nearest hundred**

	Rounded to the nearest hundred
10,805	
1,080.5	
108.05	

7. Round the following numbers

740 to the nearest 100

1,247 to the nearest 10

$2\frac{3}{4}$ to the nearest whole number

8. At a football match between City and Rovers, there were 4,486 fans

In the match report, 4,486 was rounded to the nearest thousand

Round 4,486 to the nearest thousand

At the match 2,156 hot drinks were sold.

The caterers round this number to the nearest hundred

Round 2,156 to the nearest hundred

During the match, Rovers had 45.29% possession of the ball.

Round 45.29 to the nearest whole number

9. The **difference** between two numbers is 4.

When each number is rounded to the nearest hundred, the difference between them is 100.

Write down what the two numbers could be

[   ] and [   ]

10. Justin chooses two of these cards.

| 13 | 21 | 29 | 38 |

He adds the numbers on the two cards together
He then rounds the result to the nearest 10

His answer is 40.

Circle the two numbers that Justin chose

11. Frank thinks of a **whole** number.

He multiples it by 6.
He rounds his answer to the nearest 10

The answer is 70

Write **all** the possible numbers that Frank could have started with

....

12. Round 153,499

to the nearest 100,000 [   ]

to the nearest 10,000 [   ]

to the nearest 1,000 [   ]

13. Round 5,245,876

to the nearest 1,000,000 [   ]

to the nearest 100,000 [   ]

to the nearest 10,000 [   ]

to the nearest 1,000 [   ]

14. Write in the missing numbers

Number	Rounded to the nearest 1 decimal place
0.29	
8.14	
3.55	

15.

Frome
Population   26,000

This sign shows the population of Frome rounded to the nearest thousand.

What is the lowest possible number of people that live in Frome?

[   ]

What is the greatest possible number of people that live in Frome?

[   ]

A Movie and Popcorn Task

Click on the link below:

https://www.youtube.com/watch?v=rqi_StXDhpU

Watch the film version of "Holes" by Louis Sachar

Talking and Listening Task:

Talk to a member of your household. Discuss your thoughts on the film you have just watched. Did the characters look or act the way you expected them to? Did you prefer the book or the film? Did the film include all details of the plot? If you were the director of this film what would you have done differently?