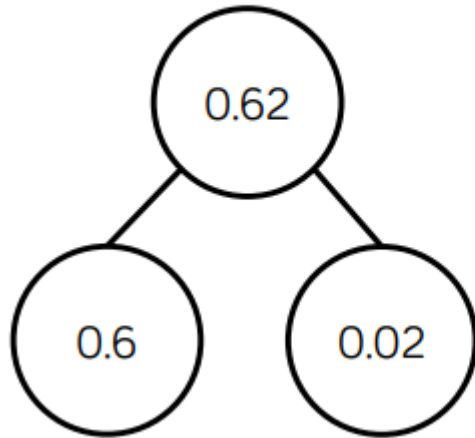# Answers for Wednesday's lesson

A

Dexter says there is only one way to partition 0.62

$0.62 = 0.12 + 0.5$

$0.62 = 0.4 + 0.22$

$0.62 = 0.3 + 0.32$

$0.62 = 0.42 + 0.2$

$0.62 = 0.1 + 0.52$

$0.62 = 0.03 + 0.59$

etc.

Teddy – 40.46
Amir – 46.2
Rosie – 46.02
Eva – 2.64

There are 0 ones, 1 tenth and 2 hundredths. The number is 0.12

B

Odd one out

Which of the images below is the odd one out?

A   B

Possible answer:

B is the odd one out because it shows $\frac{2}{5}$, which is $\frac{4}{10}$ or 0.4

The other images show $\frac{2}{10}$ or 0.2

Use the models to record equivalent decimals and fractions.

$0.3 = \frac{3}{10} = \frac{30}{100}$

$0.33 = 33/100$ $0.03 = 3/100$ $3.03 = 3$ and $3/100$

a -1.13
b -1.31
c- 1.35
d- 1.53

C

Amir says,

> To convert a fraction to a decimal, take the numerator and put it after the decimal point.
>
> E.g. $\frac{21}{100} = 0.21$

Possible answers could include $\frac{1}{100}$ is not equal to 0.1

⚪🔶🔺🔺🔺⭐⭐⭐⭐	1.431
🔶🔺🔺⚪🔶⚪⭐⭐⭐	2.322

0.394

= 3 tenths, 9 hundredths and 4 thousandths

$= \frac{3}{10} + \frac{9}{100} + \frac{4}{1000}$

$= 0.3 + 0.09 + 0.004$

Write these numbers in three different ways:

0.472	0.529	0.307

$0.472 = 4$ tenths, seven hundredths and 2 thousandths

$= \frac{4}{10} + \frac{7}{100} + \frac{2}{1000}$

$= 0.4 + 0.07 + 0.002$

$0.529 = 5$ tenths, two hundredths and 9 thousandths

$= \frac{5}{10} + \frac{2}{100} + \frac{9}{1000} = 0.5 + 0.02 + 0.009$

$0.307 = 3$ tenths and 7 thousandths

$= \frac{3}{10} + \frac{7}{1000} = 0.3 + 0.007$

D

Dexter is measuring a box of chocolates with a ruler that measures in centimetres and millimetres.

Smallest: 27.5 cm

1	7	4
1.2	7	4.5

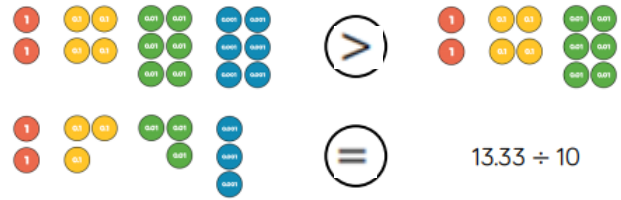Whitney is thinking of a number.

Rounded to the nearest whole her number is 4
Rounded to the nearest tenth her number is 3.8
Write down at least 4 different numbers that she could be thinking of.

Possible answers:
3.84
3.83
3.82 etc.

Some children might include answers such as 3.845

E

Use <, > or = to make the statements correct.

 $>$

 $=$ $13.33 \div 10$

Alex says,

"3.105 is greater than 3.2 because 105 is greater than 2"

Alex is wrong because 2 tenths is larger than 105 thousandths.

Place the numbers in ascending order on the number line.

3.115 $3\frac{113}{1000}$ Three and 11 hundredths

Three and 11 hundredths……. 3 and 113/1000 …… 3.115

F

Complete the table.

Pictorial	Percentage	Fraction	Decimal
	41 parts per hundred 41%	41 out of 100 $\frac{41}{100}$	41 hundredths 0.41
	43 parts per hundred 43%	43 out of 100 43/100	43 hundredths 0.43
	7 parts per hundred 7%	7 out of 100 7/100	7 hundredths 0.07

Mo, Annie and Tommy all did a test with 100 questions. Tommy got 6 fewer questions correct than Mo.

Name	Score	Percentage
Mo	56 out of 100	
Annie		65%
Tommy		

Complete the table.
How many more marks did each child need to score 100%?

56%
65 out of 100
50 out of 100
50%

Mo needs 44
Annie needs 35
Tommy needs 50

Dora and Amir each have 100 sweets. Dora eats 65% of hers. Amir has 35 sweets left. Who has more sweets left?	Neither. They both have an equal number of sweets remaining.

Alex has read 93 pages of her book. Her book has 300 pages. What proportion of her book has she read? Give your answer as a percentage and a decimal.

$$\frac{93}{300} = \frac{?}{100} = \underline{\quad} \% = \underline{\quad}$$

93/300 = 31/100 = 31% = 0.31

Record the fractions as decimals and percentages.

$$\frac{120}{300} \qquad \frac{320}{400} \qquad \frac{20}{200} \qquad \frac{12}{50}$$

120/300 = 40/100 = 4/10 = 0.4
320/400 = 80/100 = 8/10 = 0.8
20/200 = 2/100 = 1/50 = 0.02
12/50 = 24/100 = -0.24

Because it is nearly summer I have found some summer based activities that will be helpful for some 'random' revision – keeping on top of your knowledge is always good!

The summer based work might also entice the sun back ready for the summer holidays!

TASK 1:

👓	🍦	☀️	🩴	🍡	🏖️	🐚	🧴	🪑	🏐
2	4	8	6	1	0	5	9	3	7

In the number [sun] [shell] [beach ball] [sunglasses] [ice lolly] what is the value of the [shell]?

Answer:_____

In the number [ice cream] [sandcastle] [sunscreen] • [flip flops] [stool] what is the value of the [flip flops]?

Answer:_____

In the number [ice lolly] [sunglasses] • [stool] [ice cream] [beach ball] what is the value of the [beach ball]?

Answer:_____

What is the number [sun] [stool] [flip flops] [ice lolly] [shell] rounded to the nearest 10?

Answer:_____

What is the number [sunglasses] [sandcastle] [stool] [ice cream] [sunscreen] rounded to the nearest 100?

Answer:_____

What is the number [ice lolly] [ice cream] [sunglasses] written in Roman numerals?

Answer:_____

TASK 2:

Solve the calculations and use the code breaker to spell out a summer-themed joke. The joke will read down the tables.

A	B	C	D	E	F	G	H	I	J	K	L	M
6	15	21	5	13	24	18	7	12	1	25	19	9

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
22	16	11	26	2	17	20	3	10	8	14	23	4

	Answer	Letter
64 ÷ 8		
63 ÷ 9		
1300 ÷ 100		
0.02 × 100		
1.3 × 10		

	Answer	Letter
55 ÷ 11		
160 ÷ 10		

	Answer	Letter
0.24 × 100		
144 ÷ 12		
1700 ÷ 100		
56 ÷ 8		

	Answer	Letter
1.8 × 10		
1600 ÷ 100		

	Answer	Letter
4 × 4		
2.2 × 10		

	Answer	Letter
42 ÷ 6		
8 × 2		
190 ÷ 10		
96 ÷ 8		
0.5 × 10		
48 ÷ 8		
0.23 × 100		?

	Answer	Letter
3 × 8		
60 ÷ 5		
0.22 × 100		
1900 ÷ 100		
54 ÷ 9		
11 × 2		
0.05 × 100		

Question: _____

_____

_____

Punchline: _____

TASK 3:

Across:

1.
3.
5.
7.
8.
9.
11.

Down:

1.
2.
3.
4.
6.
7.
10.
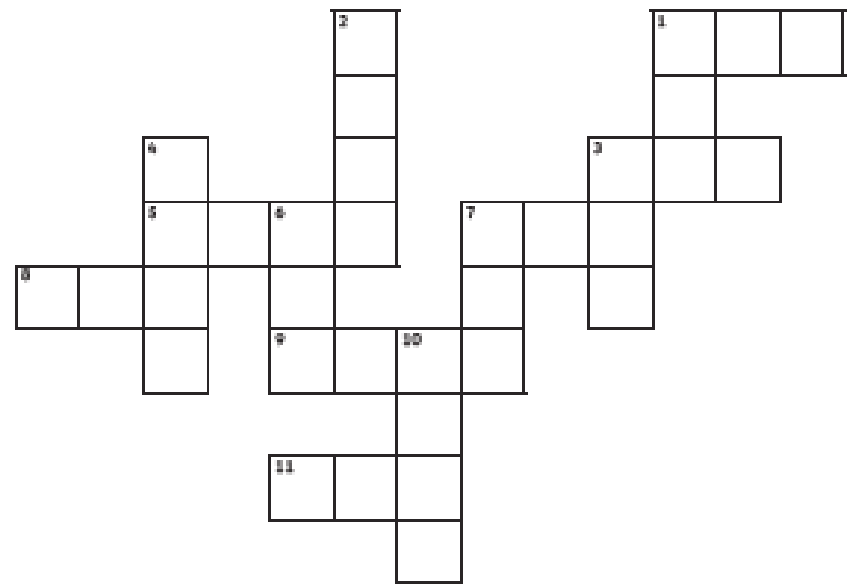
2	4	8	6	1	0	5	9	3	7

TASK 4:

I collect some shells on the beach.

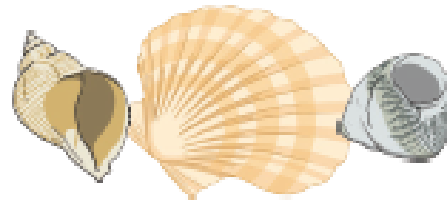I multiply the number of shells by 5.

I then subtract 15,

multiply by 7,

and divide by 2.

I end with the number 735.

How many shells did I collect?

I decorate my sandcastle with flags.

I multiply the number of flags by 7.

I then add 78,

multiply by 4,

and divide by 3.

I end with the number 300.

How many flags did I use to decorate my sandcastle?

I practise cartwheels on the sand.

I multiply the number of cartwheels by 8.

I then subtract 132,

multiply by 10,

and divide by 4.

I end with the number 30.
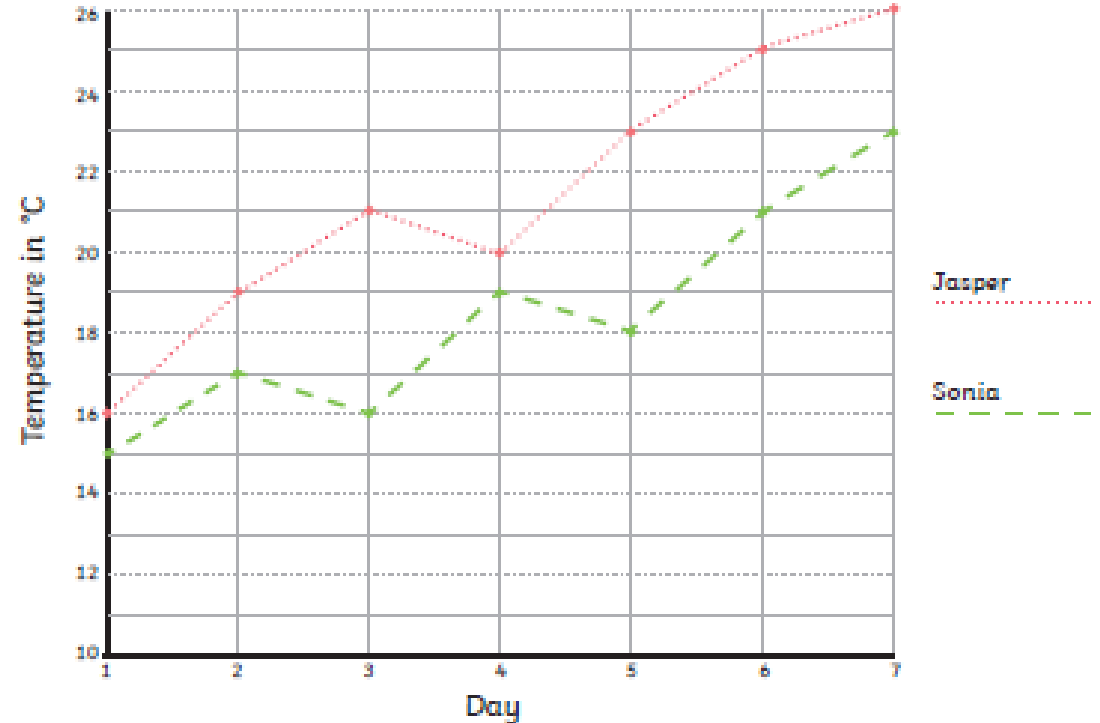
How many cartwheels did I do?

TASK 5:

Jasper went on his summer holiday to Greece. Sonia went on her summer holiday to Cornwall. Here is a line graph showing the highest daily temperature on each day of their summer holidays.

Use the graph to answer the questions.

A Line Graph to Show the Highest Daily Temperatures in Greece and Cornwall

Jasper ·············

Sonia – – – – –

1. What was the temperature on day 4 of Jasper's holiday?	2. What was the temperature on day 1 on Sonia's holiday?
3. What was the difference in temperature between Greece and Cornwall on day 3?	4. How much warmer was it in Greece than Cornwall on day 7?
5. On which day was the temperature of Sonia's holiday 21°C?	6. On which day did the temperature in Greece decrease?