Year 5 Summer-Themed Maths Activity Booklet





Place Value Code Breaker

8	Ø		ES-				Contraction of the second seco	A	\bigcirc
2	4	8	6	1	0	5	9	3	7

|--|

Answer:_____

In the number		• # R	what is the value of the 🥭 ?
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Answer:_____

In the number	P		A	Ø	\bigcirc	what is the value of the 🔗 ?
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Answer:_____

What is the number		A	E)	ļ		rounded to the nearest 10?
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Answer:_____

What is the number	00	R	Ø	Saria Saria Softers	rounded to the nearest 100?
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Answer:_____

What is the number	P	Ŷ	00	written in Roman numerals?
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Answer:_____



Calculations Code Breaker

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

Α	В	С	D	E	F	G	н	I	J	К	L	М
6	15	21	5	13	24	18	7	12	1	25	19	9
										`		

N	0	Р	Q	R	S	т	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: _____





Colour by Calculation

Use the key to colour the summer-themed picture.



Grey:	Red:	Orange:	Yellow:	Green:	Light Blue:	Dark Blue:	White:
0	1 - 100	101 - 200	201 - 300	301 - 400	401 - 500	501 - 600	601 - 700



Number Cross

Use the summer-themed code to complete the number cross. Use written methods of multiplication to solve the number cross.



00	Ŷ		E)	Ą			States and a state of the state	A	\bigotimes
2	4	8	6	1	0	5	9	3	7



Summertime Equivalent Fractions Maths Mosaic

Simplify each fraction to its lowest term to reveal the hidden picture. Each answer has a special colour.

yellow	$=\frac{2}{3}$	black =	3/4	pink = $\frac{2}{5}$	- g	reen = $\frac{5}{6}$	blu	$e = \frac{1}{3}$
<u>2</u> 6	<u>3</u> 9	4	<u>8</u> 12	<u>12</u> 18	<u>10</u> 15	6 9	<u>5</u> 15	$\frac{6}{18}$
<u>4</u> 12	<u>14</u> 21	<u>18</u> 27	<u>22</u> 33	<u>20</u> 30	<u>16</u> 24	4	<u>8</u> 12	$\frac{7}{21}$
<u>6</u> 8	<u>30</u> 40	<u>9</u> 12	<u>27</u> 36	<u>12</u> 16	<u>24</u> 32	<u>15</u> 20	<u>21</u> 28	<u>18</u> 24
<u>6</u> 9	<u>33</u> 44	<u>36</u> 48	<u>39</u> 52	$\frac{14}{21}$	<u>42</u> 56	<u>45</u> 60	<u>48</u> 64	$\frac{18}{27}$
$\frac{12}{18}$	$\frac{10}{15}$	<u>51</u> 68	<u>22</u> 33	<u>20</u> 30	<u>16</u> 24	<u>54</u> 72	4	<u>8</u> 12
$\frac{14}{21}$	<u>18</u> 27	<u>22</u> 33	<u>20</u> 30	<u>16</u> 24	<u>4</u> 6	<u>8</u> 12	$\frac{12}{18}$	<u>10</u> 15
4	<u>8</u> 12	<u>12</u> 18	<u>10</u> 15	<u>6</u> 9	$\frac{14}{21}$	$\frac{18}{27}$	<u>22</u> 33	<u>20</u> 30
<u>22</u> 33	<u>20</u> 30	$\frac{4}{10}$	$\frac{6}{15}$	<u>8</u> 20	<u>10</u> 25	$\frac{12}{30}$	4	<u>8</u> 12
<u>10</u> 12	$\frac{14}{21}$	$\frac{18}{27}$	$\frac{14}{35}$	<u>16</u> 40	<u>18</u> 45	<u>6</u> 9	$\frac{14}{21}$	<u>35</u> 42
<u>15</u> 18	<u>20</u> 24	4	<u>8</u> 12	<u>12</u> 18	<u>10</u> 15	6 9	<u>25</u> 30	<u>30</u> 36



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Summer Number Puzzles

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 practise cartwheels on the sand.

I multiply the number of cartwheels by 8.

I then subtract 132,

multiply by 10,

and divide by 4.

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I end with the number 30.

How many cartwheels did I do?



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?





Pirate Flags

These flags have been designed on cm square grids.

- What is the area of each flag?
- What is the perimeter of each flag?

Colour in the flags according to the fractions.









Converting Units of Time Board Game

Instructions

Each player must choose a space to start from and place their counter on it.

The first player rolls the dice and moves their counter clockwise.

They must answer the question in that square, find the answer on the correct shell and cover it over. The next player will take their turn.

If a player lands on a square where the answer has already been covered, they must miss a go.

The winner is the player who has covered the most shells.

How many minutes are in 3 hours?	How many days are in 2 weeks?	How many years are in a decade?	How many seconds are in 6 minutes	How many hours are in a day?
How many hours are in 3 days?	180 minutes	360 seconds days	1000 years	How many minutes are in 4 hours?
How many seconds are in 8 minutes?	10 years 600 seconds	24 hours 48 hours 240 minute	56 days 420 seconds	How many days are in 5 weeks?
How many years are in a millennium?	35 days	300 ninutes second	s years	How many years are in a century?
How many days are in 8 weeks?	How many minutes are in 5 hours?	How many seconds are in 10 minutes?	How many hours are in 2 days?	How many seconds are in 7 minutes?



Butterfly Pattern Symmetry

Draw a symmetrical pattern on this butterfly using different quadrilaterals.



Which quadrilaterals did you use in your symmetrical design?





Coordinate and Reflection Mystery Picture

Plot these shapes onto the coordinate grid and join them together with straight lines. Next, reflect the shapes over the y-axis to reveal a mystery picture.



y-axis

1. (-7, 3), (-5, 3), (-5, 5), (-4, 4), (-4, 2), (-3, 1), (-2, 1), (-2, 2), (-1, 2), (-1, 1), (0,1), (0,-4), (-1,-4), (-3,-3), (-4,-2), (-4,-1), (-3, 0), (-5, 2), (-6, 2), (-7, 3)

- 2. (-4, -1), (-6, -1), (-6, -2), (-4, -1)
- 3. (-4, -2), (-6, -3), (-5, -4), (-4, -2)
- 4. (-3, -3), (-3, -5), (-2, -5), (-3, -3)

The mystery picture is _



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Summer Holiday Temperatures Line Graph

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.







Summer Holiday Activities Board Game

You will need:

- counters
- a dice
- a pencil

Instructions

Each player starts the game with 1000 points.

The first player will throw the dice. The number rolled shows how many squares that player can move their counter around the board.

When the player lands on a square, they must add or subtract the points on that square to or from their score.

The next player will then take their turn to roll.

When a player reaches the finish, the player with the most points is the winner.

Keep track of your score here:

Name:	Name:	Name:	Name:
1000	1000	1000	1000



Summer Holiday Activities Board Game



