



Student Name: _____

Grade: _____ Date: _____

MATHAROO

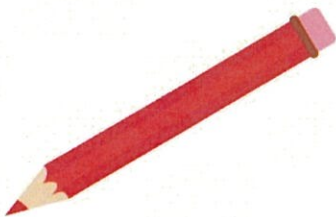


1. If it takes SpongeBob Squarepants 5 minutes each day to eat his breakfast, how long does he spend eating breakfast in a fortnight?



2. At Ethan's birthday party, one tray had 14 cupcakes on it. If half a dozen children each took one cupcake from that tray, how many cupcakes were still on the tray?

3. On their walk through a forest, Samuel and Lucy saw 3 baby rabbits. How many rabbits' paws were there on those rabbits?



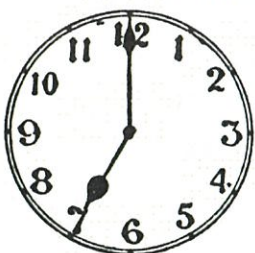
4. Claire's red pencil was 15 centimetres long when it was new. Now it is 8 cm long. By how many centimetres has the pencil become shorter?

5. Find the SUM of 27 and 5.



6. When Maya walks at normal pace, each step she takes is 30 centimetres long. At that rate, how many steps does she need to take to travel 2 metres?

7. It takes Carter 40 seconds to blow up a balloon. How many balloons can he blow up in 2 minutes?



8. A TV show begins at 7 pm, and runs for $1\frac{1}{2}$ hours. At what time does that TV show finish?

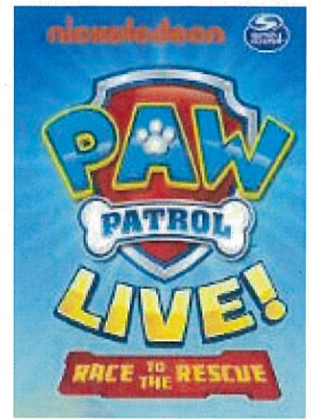


MATHAROO Worksheet MP – 32 19

MATHAROO

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1. A new children's movie, "PAW PATROL: READY, RACE, RESCUE" runs for exactly three-quarters of an hour. How many minutes short of 2 hours is that?



2. The Bathurst 1,000 race last Sunday commenced at 11:30 am. If the race took $6\frac{1}{2}$ hours altogether, at what time did it finish?

3. Climbing the sacred ULURU (formerly Ayers Rock) will not be allowed after 26th October, 2019. The rock has a height of 348 metres. If Joseph and Josephine try to climb the rock before then, but can only make it up a third of the rock before turning back, how far from the top of the rock did they climb?



4. Lucas earns \$5 pocket money each week by doing odd jobs around the house. How much pocket money does he collect in 28 days?

5. In the "MASKED SINGER" TV show, one of the costumes was that of an octopus. Each "hand" of that octopus had 3 webbed fingers on it. How many webbed fingers were there altogether on that "octopus"?



6. In one state, 16,000 trees will have to be removed, to make way for new roads. To make up for that, 30,000 new trees will be planted. How many MORE trees will there be when this tree-planting project is finished?

7. A supermarket is collecting donations for farming families suffering from the effects of lengthy drought. If 500 of one store's customers each donate \$6 towards the appeal (managed by the Country Women's Association), how much would that store raise for this worthwhile appeal?



8. Aussie singer Jessica Mauboy has announced that she is to marry her boyfriend of 10 years. How many months are there in 10 years?

9. Find the PRODUCT of 2, 3 and 4.

10. Open-ended Question: Wally sees a cardboard box in the pantry that contains between 400 grams and 1 kilogram of a type of food. What might that food be? Try to give 3 brand names of that food.





MATHAROO Worksheet UP – 32 19

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1. A new game available on computers, tablets and mobile phones is "MARIO KART TOUR". Unfortunately the game costs \$7.95 per month to play. If Shelley plays the game for a 6th of a year, how much will she have to pay?



2. Cars racing in the "BATHURST 1,000" race, held last weekend at Mount Panorama, travel 161 laps around the Bathurst course. Each lap is 6.2 kilometres long. So, how much more, or less, of the advertised 1,000 km race length is that?

3. With the big sports finals now behind us, premiership posters are being sold to fans as fund-raisers. A paper poster costs \$3, a laminated poster is \$17 and a block-mounted poster costs \$60. If a newsagent sold 380 paper posters, 72 laminated posters and 28 block-mounted posters, how much money did he receive from those sales?



4. A huge metal detector dangling from a helicopter is being used over large parts of NSW, trying to find new water and mineral sources. It can measure to depths of 400 metres. What fraction of one kilometre is 400 metres?

5. One bread shop chain has been given permission to keep selling its 1.6 million plastic bags, until all are used. (Otherwise, the bags would have gone to land fill.) Write 1.6 million in figures.



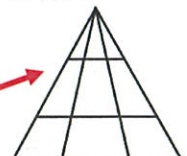
6. A normal garden snail moves forward at an average speed of 563.21 metres per hour. At that rate, **ABOUT** how long would it take a snail to cover 1½ kilometres?

7. The cheapest book in the children's Top 10 best sellers last week was titled "THE BOOK BUDDIES". It sells for just \$2.99. How many copies of that book could be bought for \$100?



8. A triangle has a perimeter of 85.6 centimetres. If two of the sides measure 26.2 cm and 38.9 cm, find the length of the third side.

9. How many triangles are there in this diagram? (Count carefully!)



10. **Open-ended Question:** Ava's dad says he will pay her \$1 for each grain of sand she can hold in one hand. How much might this be? (Consider the size of the grains of sand, and the size of Ava's hand.)



MATHAROO

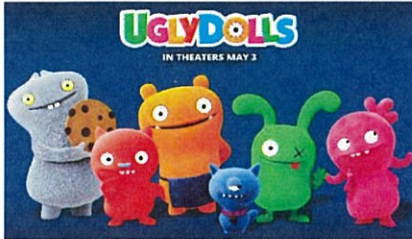
MATHAROO Worksheet EXT – 32 19

Student Name: _____

Grade: _____ Date: _____



1. The 2019 Bathurst 1,000 race was run last Sunday. It commenced at 11:30 am. If the winning car finished the 1,000 km course in 6 hours 30 minutes, find that car's average speed in kilometres per hour.



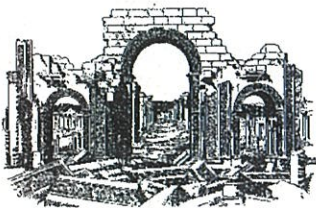
2. Three children's movies showing during the school holidays were "UGLY DOLLS" (scored 3 stars out of a possible 5), "ABOMINABLE" (4 stars out of 5) and "DORA AND THE LOST CITIES OF GOLD" (3 stars out of 5). What was the average score overall for these 3 movies?

3. Famous Australian writer Colleen McCullough wrote most of her books on a Corona typewriter that she bought for \$90 many years ago. That typewriter is to be auctioned, and is expected to sell for \$5,000. What **MULTIPLE** of \$90 is that, if the \$5,000 price comes to pass? Give your answer correct to 2 decimal points.



4. The wonderful "MAKE-A-WISH FOUNDATION" recently helped one young cancer sufferer achieve a dream – to be a policeman for a day. One police station made him "boss" for a full shift of $9\frac{1}{2}$ hours. If he spent a third of that time travelling in a police car, operating the sirens and lights, and the rest of the time at the police station, how long was he at the police station?

5. A popular **WEEKLY** magazine is offering a special deal. 12 issues for just \$1 each, then returning to the normal price of \$4.95 per issue for the remainder of a 12-month year. What is the total cost of the magazine for the full 12 month period?



6. Some researchers have discovered the remains of a big city that they think is 5,000 years old. If we make an allowance of 15% lower or higher than the 5,000 years, in what **RANGE** of years BC (before Christ) may that city have been built?

7. The season of Spring in Australia occurs in the months of September, October and November. What is the **DATE** of the precise middle day of Spring?



8. The **AREA** of a circular garden is 314.15 square metres. What would be the area of a garden **EXACTLY** a quarter of that size?

9. **Open-Ended Question:** The **MEAN** of 4 numbers is 276.8. What could they be?



Matharoo ANSWER SHEET

for Week Beginning 14th October, 2019

MATHAROO

ANSWERS – Matharoo **Lower-Primary** Worksheet LP 32 19

1. 70 minutes
2. 8 cupcakes
3. 12 paws
4. 7 centimetres
5. 32
6. 7 steps
7. 3 balloons
8. 8:30 pm

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ANSWERS – Matharoo **Mid-Primary** Worded Worksheet MP 32 19

1. 75 minutes short
2. 6 pm
3. 232 metres
4. \$20
5. 24 fingers
6. 14,000 more trees
7. \$3,000
8. 120 months
9. 24
10. Various answers

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ANSWERS – Matharoo **Upper-Primary** Worded Worksheet UP 32 19

1. \$15.90
2. 1.8 kilometres short
3. \$4044
4. $4/10 = 2/5$
5. 1,600,000
6. About 2.7 hours
7. 33 books
8. 20.5 cm
9. 18
10. Various answers

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ANSWERS – Matharoo **Extension** Worded Worksheet EW 32 19

1. 153.8 kph
2. 3.3 stars
3. $55.56 = \text{approx } 56$
4. 6.33 hours
5. \$210
6. 2231 BC to 3731 BC
7. 16th October
8. 78.5375 m^2
9. Various answers

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