The Cat and the Whale

A long time ago, some ferocious pirates went sailing in their ship.

One of the pirates decided to bring his pet cat along for the adventure. Suddenly, when they were out in the middle of the ocean, a terrible storm overturned the ship. All of the pirates fell into the ocean. The pirate's cat was scared and feared that he would drown. Luckily, a whale swam past and rescued the cat.

Eventually, the cat and the whale came to a tropical island. The cat walked down off the whale's back and jumped onto the golden sand. The whale asked the cat, "Do you know this island?"

The confident cat replied, "Yes! The king of this island is my best friend and I am a prince!"

The whale knew that the island was empty. He said to the cat, "You're a prince? I didn't know! Well, now you can be a king!"

The cat was confused and answered, "But how can I be a king?"

The whale started to swim away and replied, "Easy! There's no other creature on this island. You will automatically be king!"
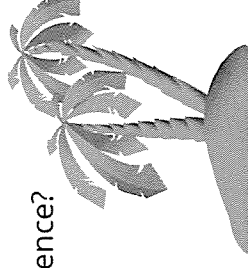
Moral: Those who lie and boast may end up in trouble.

The Cat and the Whale

1. What is the author's purpose in this text?

   a) entertain

   b) persuade

   c) inform

   d) other

2. Explain in your own words the moral of this story.

3. *The whale knew that the island was empty and that nobody lived there.*

   Why did the author include this sentence?

4. How do you think the author feels about the cat?

CRAZY CREATIVE CHALLENGE

With a partner or in a small group, write and present a play or skit about the text.

☺ How many characters are there?

☺ What do the characters say?

☺ How do they act, move and speak?

Name _____   **Date** _____

The Cat and the Whale

1. What is the author's purpose in this text?
   a) entertain
   b) persuade
   c) inform
   d) other

2. Explain in your own words the moral of this story.

   _____

   _____

   _____

   _____

   _____

3. *The whale knew that the island was empty and that nobody lived there.*
   Why did the author include this sentence?

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4. How do you think the author feels about the cat?

   _____

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Charlie and the Chocolate Factory

In the holidays, Sam and Tom read the book, 'Charlie and the Chocolate Factory'. Afterwards, they watched the movie.

Both the book and the movie tell the story of a poor boy named Charlie. He wins a golden ticket from a chocolate bar to go on a tour of Willy Wonka's amazing chocolate factory.

After reading the book and watching the movie, Sam and Tom debated which one was better.

Sam preferred reading the book, as it was very descriptive and it allowed him to use his own imagination to bring the story to life. He also felt like he was going on an exciting journey with the main character, Charlie. He liked that he could pick the book up and read it whenever he wanted, making the story last longer.

Tom enjoyed watching the movie, as he was able to see all the characters and see what Willy Wonka's chocolate factory looked like. He loved singing along to the Oompa-Loompa song and laughing out loud at some of the misfortunate things that happened to the other children.

Sam and Tom both liked Charlie's story because it was funny and about chocolate!
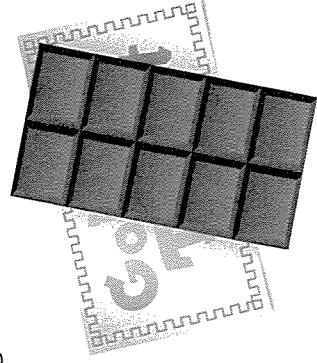
Charlie and the Chocolate Factory

1. Why did Sam like the book better than the movie?

2. Why did Tom like the movie better than the book?

3. What did Sam and Tom both like about the story?

4. Think of a story that you have both read the book and watched the movie.

Which did you prefer, the book or the movie?

Explain why.

CRAZY CREATIVE CHALLENGE

Design and create your own golden ticket for a competition.

- What will the prize be?
- Where will you hide the golden tickets?

Name _____   **Date** _____

Charlie and the Chocolate Factory

1. Why did Sam like the book better than the movie?

_____

_____

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2. Why did Tom like the movie better than the book?

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3. What did Sam and Tom both like about the story?

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4. Think of a story that you have both read the book and watched the movie.
Which did you prefer, the book or the movie? Explain why.

_____

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The Case of the Missing Cookie

It was 3:23 pm when the delicious chocolate-chip cookie went missing. I know the exact time because the delivery man came to the door. The cookie was sitting on a plate on the kitchen bench when I walked out to answer the door. By the time I came back, it was gone! I remember that I signed for the package that was delivered at exactly 3:23 pm.

I was distraught! I decided to search the kitchen for clues to find out who stole my scrumptious cookie. As I was looking around, I found some short brown hairs by the bottom of the bench, just below where my cookie had been sitting. I continued to search further and found a tennis ball, just around the corner. It had chocolate-chip cookie crumbs on it! Who would have dropped short brown hairs on the floor and left crumbs on a tennis ball?

There was a trail of crumbs leading toward the back door, which was open. The crumbs led down the back stairs and onto the grass. As I followed the trail, I saw....

The Case of the Missing Cookie

1. Who do you think stole the cookie? Explain why you think this. List three clues that you used.

2. What words did the author use to show that they were looking forward to eating the cookie?

3. Where else could the author have looked for clues?

4. What could have happened after the thief was caught?

CRAZY CREATIVE CHALLENGE

Make a wanted poster for the thief that stole the cookie.

⊙ Provide information about the thief, what they stole and the clues that led to them being caught.

Name _____   **Date** _____

The Case of the Missing Cookie

1. Who do you think stole the cookie?
   Explain why you think this. List three clues that you used.

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   _____

2. What words did the author use to show that they were looking forward to eating the cookie?

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   _____

3. Where else could the author have looked for clues?

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4. What could have happened after the thief was caught?

   _____

   _____

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   _____

BOOK REVIEW
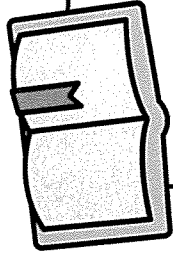
TITLE: _____

AUTHOR: _____

GENRE: _____

TIME ERA: _____

LOCATION: _____

MAIN CHARACTERS: _____

Book summary:

_____
_____
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_____
_____
_____
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Favourite part:

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_____

Favourite Character:

Gender: _____

Age: _____

Close Relationships: _____
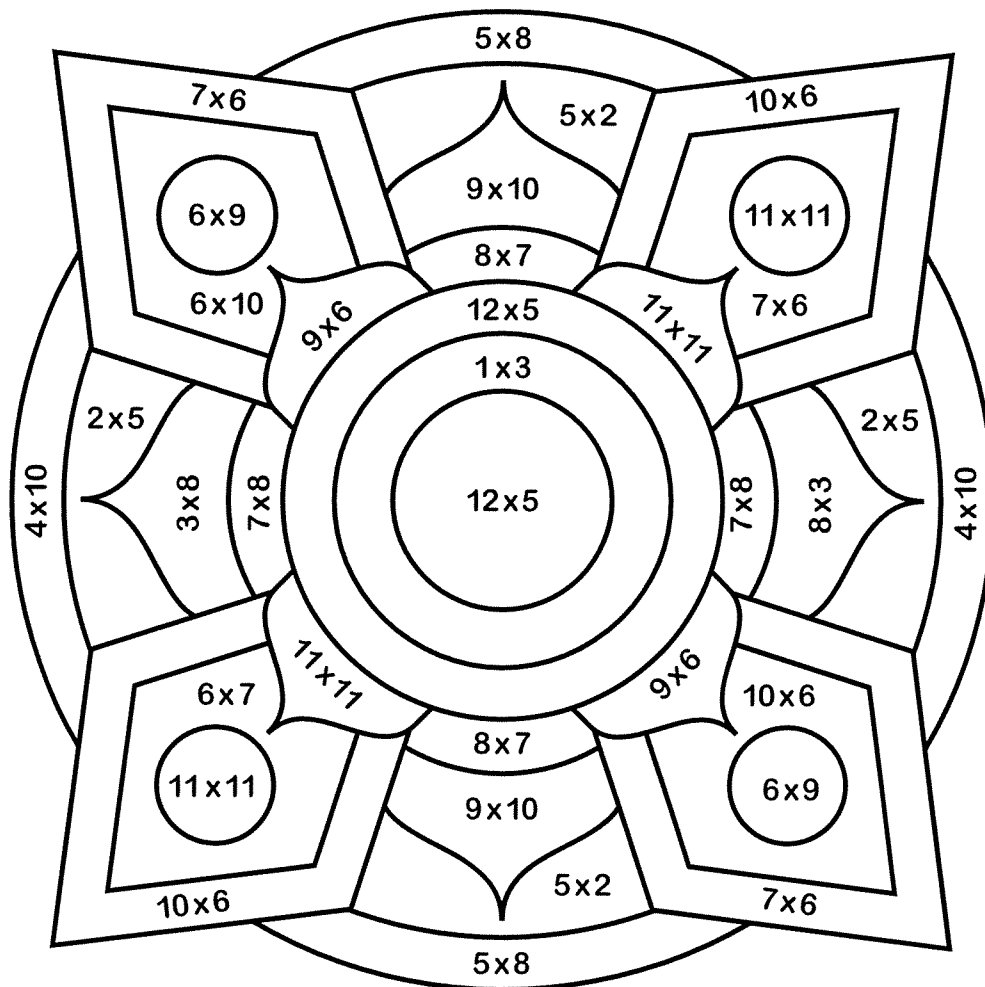_____

Explain why this character is your favourite:
_____
_____
_____

1 to 12 x Colour Fun!

Find the answer to the multiplication number sentence
and then colour that section the corresponding colour.

12 x 2

|		
3 white	40 orange	90 pink
8 black	42 dark blue	60 light blue
10 yellow	54 dark green	121 light green
24 red	56 purple	144 brown

13. 4 boys weigh 165 kg combined. If two of the boys weigh 92 kg combined and another boy weighs 34 kg, what does the fourth boy weigh?
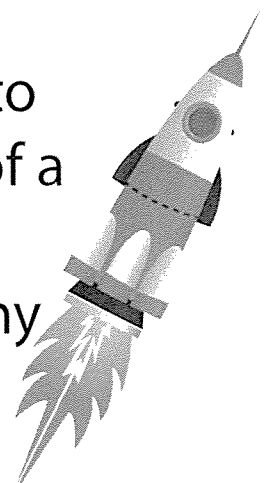
14. The local soccer club is looking to purchase new balls for their 192 players. They need 5 balls for every 20 players. How many balls do they need?
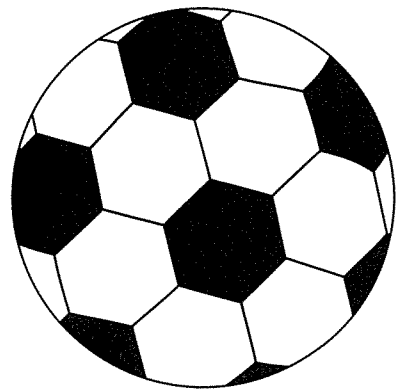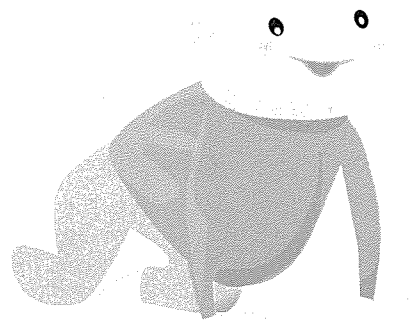
15. The average distance from the Earth to the Moon is 384 000 km. The length of a marathon is 42 km. If you could run from the Earth to the Moon, how many marathons would you have run?
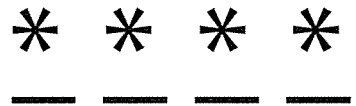
16. On average, 4 babies are born every second world-wide. How many babies are born every 10 minutes?

17. Crack the code! The first number is 1.5 times the second number. The third number is one third of the first number. The fourth number is 2, which is one third of the value of the second number.

$$* \quad * \quad * \quad *$$
$$\underline{} \quad \underline{} \quad \underline{} \quad \underline{}$$

18. Your car's wheels rotate 600 times per km. If your car needs new tyres every 50 000 km, how many times will your tyres rotate before they need to be replaced?
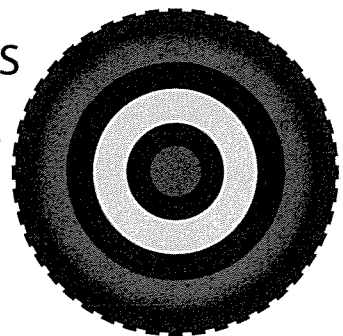
19. Neil loves running! He runs 8 km every week. After running 190 km, his shoes need to be replaced. How often does Neil replace his shoes?

20. Ralph eats 2 bowls of food each day. If a bowl contains 400 g of dog food and a bag of dog food contains 20 kg, how often does Ralph need a new bag of dog food?

Maths Investigation –
## Fractions

Renovate with a Rug!
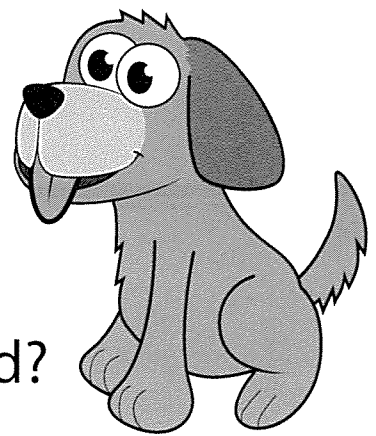
The Scenario

A popular home renovation show is holding a design competition. School children around the country have been asked to submit designs for a colourful floor rug to be featured in a newly-renovated home. Your class has decided to enter. If your class design is chosen, it will be made into a rug and then featured on the show. Your teacher has asked each student in your class to submit a design for the floor rug. The class will then vote on the best design. The most popular design will be entered into the competition.

The Task

Design a colourful floor rug to be entered into the home renovation show's design competition. Follow the competition rules, set out below.

Competition Rules

The producers of the television show have written the following list of competition rules:
• All floor rug designs must be submitted on the template provided. The template is a large rectangle, consisting of six rows of smaller squares, with four squares in each row (24 squares all together).
• Only primary and secondary colours may be used in the design. These colours are red, blue, yellow, purple, orange and green. Each of these colours must be used at least once on the design.
• Colours should be placed thoughtfully to create a pattern. Designs that do not display any kind of colour pattern will be disqualified.
• All squares on the floor rug design must be coloured with at least one colour. A maximum of two colours is allowed in each square. The number of squares per colour must add to a whole number.
• All competitors must provide a mathematical analysis of their floor rug design, using the worksheets provided. This will assist the producers to order coloured fabrics for the winning design.
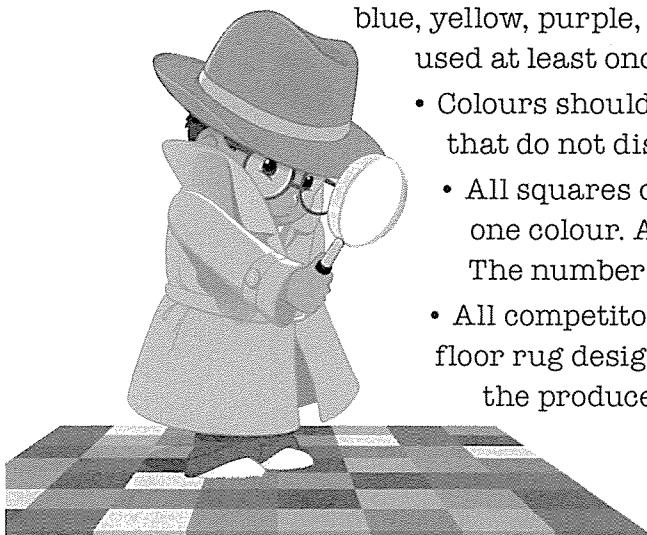
The Procedure

1. **Check your understanding of the task**
   Carefully read through the task and the list of competition rules. If there are any instructions that you do not understand, ask your teacher to explain them to you.

2. **Plan your design**
   Plan a colourful design for your floor rug. A blank template is provided for you. Remember, according to the competition rules, the placement of colours must create a pattern.

3. **Check your design**
   Reread the list of competition rules. Carefully check that you have designed your floor rug in accordance with these. Make sure that your design has not broken any of the competition rules, either!

4. **Create your floor rug**
   Draw and colour your floor rug design using the second blank template.

5. **Analyse your design**
   Use your knowledge and understanding of fractions to answer a series of questions about your floor rug design.

The Materials

- Two blank rug templates
- A lead pencil
- coloured pencils or markers
- A ruler

6. Present your design to the class. Explain how you met all of the competition rules. As a class, vote on each floor rug to determine the most popular design.
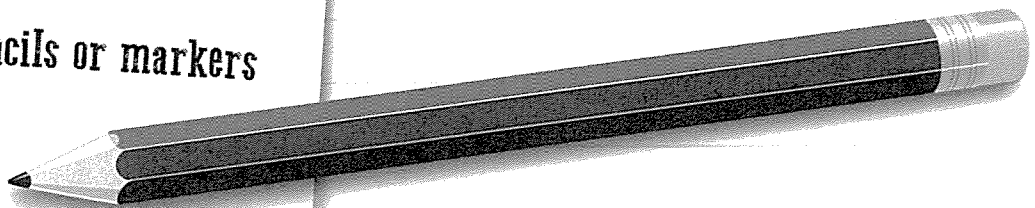
FLOOR RUG
TEMPLATE -
DRAFT

FLOOR RUG
TEMPLATE -
FINAL

Name _____   **Date** _____

Recording and Analysing

1. Count how many squares of each colour appear on your floor rug design.
   Record your answer for each colour as a fraction of the whole rug.
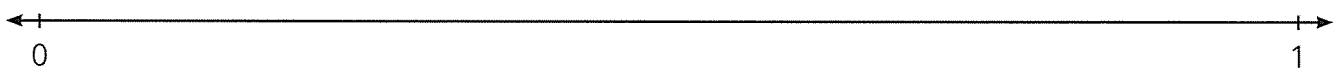
   red:_____

   blue: _____

   yellow:_____

   purple:_____

   orange: _____

   green:_____

2. Place the fractions for each colour in ascending order.

   _____

3. Use any strategies that might help you (finding equivalent fractions, segmenting, estimation) to place each fraction from Question 1 on the number line.
   Write each fraction in the colour it represents.

   0   1

4. Use <, > or = to make these statements true for your floor rug design.

   a) red _____ yellow   f) purple _____ yellow

   b) blue _____ purple   g) blue _____ red

   c) yellow _____ orange   h) yellow _____ purple

   d) purple _____ green   i) blue _____ orange

   e) green _____ orange   j) red _____ green

Name _____   Date _____

5. Use the fractions you created in Question 1 to answer the following addition questions, based on your floor rug design.

Show your working.

Simplify your answers.

a) red + blue + yellow =	b) purple + orange + green =
c) red + yellow + orange =	d) blue + purple + green =

6. Use the fractions you created in Question 1 to answer the following subtraction questions, based on your floor rug design.

Show your working.

Simplify your answers.

a) whole rug – primary colours =	b) whole rug – secondary colours =
c) greatest fraction – smallest fraction =	d) a primary colour – a secondary colour =

Name _____   Date _____

Reflection

1. Did you enjoy working on this investigation? Give reasons to explain your answer.

   _____

   _____

   _____

   _____

2. Did you face any challenges during the investigation? If so, how did you overcome them?

   _____

   _____

   _____

   _____

3. How do you feel about your rug design? Is there anything you would change if you repeated the task?

   _____

   _____

   _____

   _____

4. What new knowledge and skills did you learn by completing this investigation?
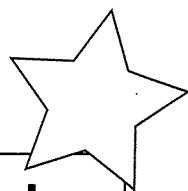
   _____

   _____

   _____

   _____

5. Circle the statement that best suits how you feel about fractions after completing this investigation.

   a) I feel very confident working with fractions.

   b) My understanding of fractions is improving.

   c) I still need some help when working with fractions.

INVESTIGATION   TeachStarter.com
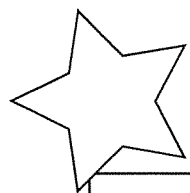
Earthly Word Search

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R E M O N O R T S A W A P V I
A V O R B I T E C I K X Y L B
G L U N A R D S O R D I K R R
F A U R O R A A C Q P S U F A
R P F T H Z F H E V T I L T L
O V U N R E V P M D H D X F O
T N N E A P P Y L T I N D W S
A X U C U B A K R V Q T H B Y
T G G S T E C L I P S E C B L
I H W E X O A V T Q U F J I I
O G G R D I G N G I B B O U S
N Z C C E H D C O C O R O N A
K M O O N W Q L H X I F M J A
G Z E A R T H V L J D U P J X
G N I X A W G N I N A W Y Q L
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EARTH	AXIS	LUNAR	ORBIT
WANING	ECLIPSE	ASTRONOMER	NEAP
CRESCENT	TIDE	CORONA	GIBBOUS
PHASE	MOON	ROTATION	SOLAR
TILT	AURORA	SUN	WAXING