Contents

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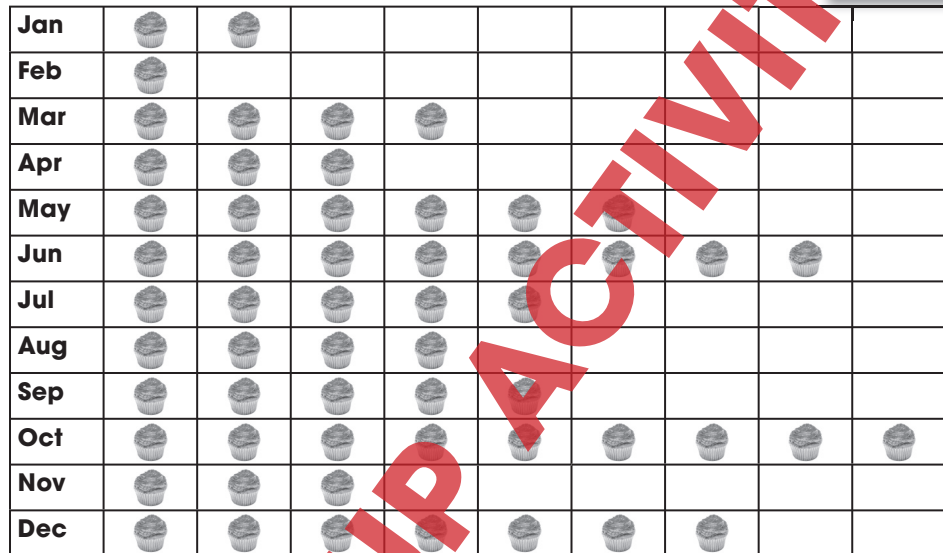- Enter pass code CC3210D for Activity Pages.

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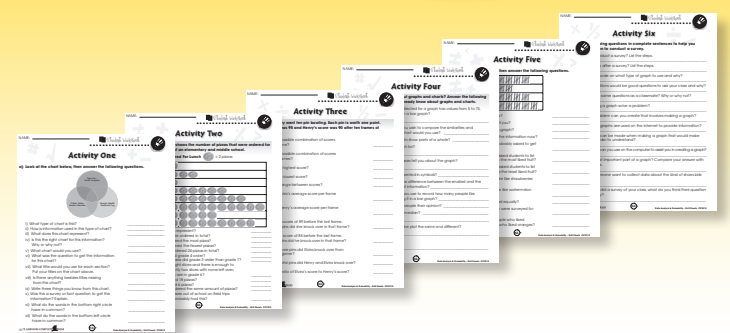
NAME: _____

Warm-Up Drill Sheet # 1

1a) The pictograph below shows the number of birthdays the students of Mr. Lee's class have each month.

Ex: How many more students have an October birthday than a January birthday? 7 more students

Jan	
Feb	
Mar	
Apr	
May	
Jun	
Jul	
Aug	
Sep	
Oct	
Nov	
Dec	

i) How many months are shown on this pictograph? _____
ii) Which month had the greatest number of birthdays? _____
iii) Which month had the fewest birthdays? _____
iv) Which winter month had the most birthdays? _____
v) Which summer month had the most birthdays? _____
vi) How many students have a birthday the same month as you? _____
vii) How many more students have a December birthday than a November birthday? _____
viii) What two consecutive months have a total of 7 birthdays? _____
ix) August has twice as many birthdays as which month? _____
x) How many total birthdays are found in the second half of the year? _____
xi) How many more birthdays are in September than August? _____
xii) What months have only five student birthdays? _____

Top Right Panel

Warm-Up Drill Sheet # 2   NAME: _____

4a) The graph below shows the number of books sold at a book fair from 2007 to 2011.

Legend: 2007, 2008, 2009, 2010, 2011
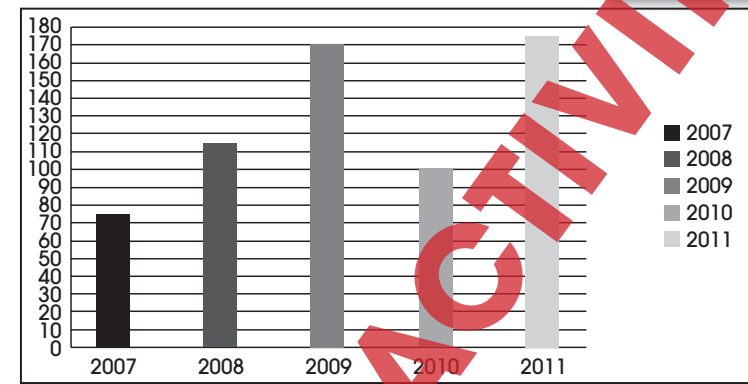
i) How many books were sold at the book fair? _____
ii) How many books were sold in 2007? _____
iii) How many books were sold in 2008? _____
iv) How many books were sold in 2009? _____
v) How many books were sold in 2010? _____
vi) How many more books were sold in 2008 than in 2007? _____
vii) How many more books were sold in 2009 then in 2008? _____
viii) How many fewer books were sold in 2010 then in 2009? _____
ix) How many more books were sold in 2008 and 2009 then in 2007? _____
x) How many books were sold in 2011? _____
xi) How many more books are expected to sell in 2011 then in 2010? _____
xii) What year sold the most books? _____
xiii) What year sold the fewest books? _____
xiv) What two years sold the most overall? _____
xv) What two years sold the fewest overall? _____

Bottom Left Panel

Timed Drill Sheet # 4   NAME: _____

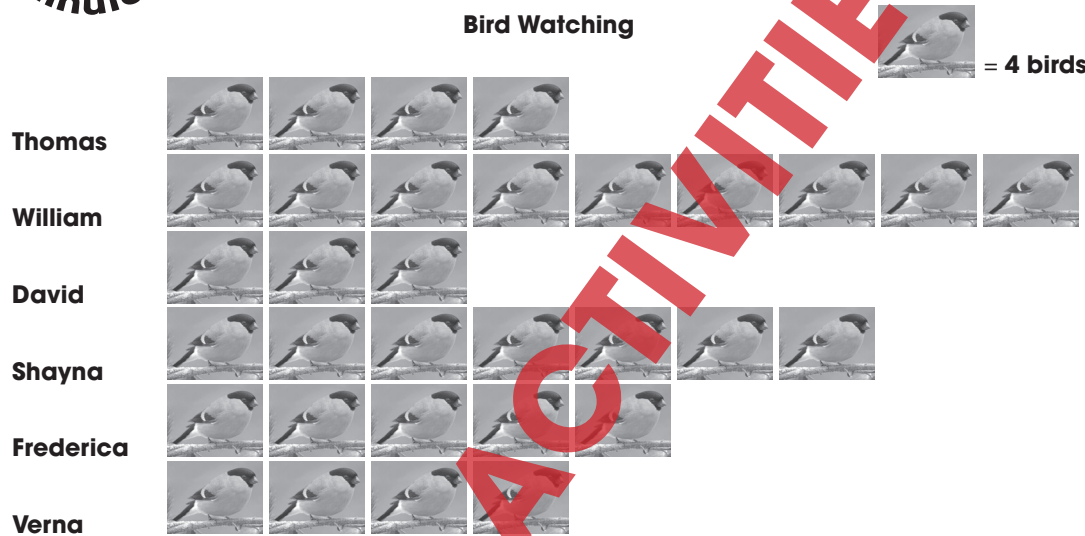**6a)** The pictograph below shows the number of birds each student saw on their bird watching trip.

Ex: Who saw 16 birds?   Thomas and Verna

Bird Watching

= 4 birds

Thomas	
William	
David	
Shayna	
Frederica	
Verna	

i) How many birds did Thomas see? _____
ii) How many birds did William see? _____
iii) How many birds did Shayna see? _____
iv) How many birds did Verna see? _____
v) Who saw the most birds? _____
vi) Who saw the fewest birds? _____
vii) How many more birds did Frederica see than Verna? _____
viii) How many more birds did William see than David? _____
ix) How many total birds did Thomas and Shayna see? _____
x) Who saw 12 birds? _____
xi) Who saw 20 birds? _____
xii) How many total birds were seen? _____

Bottom Right Panel

NAME: _____   ### Timed Drill Sheet # 7

11a) Each letter of the word MATHEMATICS is written on a card and placed in a cloth bag. Cards are chosen at random from the bag. Find the probability that the card chosen will be the following.

Ex: The letter "M" or "A".   4 in 11

i) The letter "A". _____
ii) The letter "C". _____
iii) The letter "E". _____
iv) The letter "M". _____
v) The letter "T". _____
vi) The letter "I". _____
vii) The letter "H". _____
viii) The letter "S". _____
ix) A vowel. _____
x) A consonant. _____
xi) A letter between A and M. _____
xii) A letter between N and Z. _____

Review Sheet

NAME: _____

Review A

a) The following numbers are placed in a bag. When choosing a number from the bag, what is the probability that the following will happen?

5 2 7 5 8
4 8 9 3 6

i) What numbers are you mostly likely to choose? _____

ii) What numbers are you least likely to choose? _____

iii) What is the ratio of 7's to 5's? _____

iv) How many odd numbers could be chosen? _____

v) How many even numbers could be chosen? _____

vi) What is the probability of choosing an odd number? _____

vii) What is the probability of choosing an even number? _____

viii) What numbers are less likely to be chosen than an 8? _____

ix) What numbers are more likely to be chosen than a 3? _____

x) What is the probability of choosing a two digit number? _____

xi) What is the probability of choosing a single digit number? _____

xii) What is the ratio of odd numbers to even numbers? _____

Review Sheet

NAME: _____

Review B

a) Tad rolled two standard dice twelve times. He calculated the total number of each two-dice combination and wrote down his results in the chart below.

Roll	Total	Roll	Total	Roll	Total
1	5	5	7	9	8
2	7	6	9	10	5
3	11	7	2	11	7
4	6	8	12	12	9

i) Which total did Tad roll the most? _____

ii) Which totals did Tad roll the least? _____

iii) How many odd numbered totals did Tad roll? _____

iv) How many even numbered totals did Tad roll? _____

v) How many times did Tad roll a 5? _____

vi) What are two possible dice pairs Tad could have rolled for Roll 12? _____

vii) What are two possible dice pairs Tad could have rolled for Roll 4? _____

viii) According to these results, which total is Tad most likely going to roll? _____

ix) What fraction of the rolls were even numbers? _____

x) What fraction of the rolls were odd numbers? _____

xi) What two-dice combination numbers were not rolled? _____

xii) How many rolls did it take for Tad to roll an even number? _____


Review Sheet

NAME: _____

Review C

a) A standard dart board is shown to the right.

i) What is the probability of hitting any number on the dart board? _____

ii) What is the probability of hitting a number on the bottom half of the dart board? _____

iii) Is it likely, unlikely, certain, impossible to hit a bull's-eye? _____

iv) Is it likely, unlikely, certain, impossible to hit a bull's-eye five times in a row? _____

v) Is it likely, unlikely, certain, or impossible to hit an even number 5 times out of ten shots? _____

vi) What is the probability of hitting an odd number, not including the bulls-eye? Explain as a ratio. _____

vii) What is the probability of hitting an even number not including a bulls-eye? Explain as a ratio. _____

viii) If the score of the first five shots was 86, what numbers did the shooter hit? Show one way. _____

ix) If the score of the first three shots was 42, what numbers did the shooter hit? Show one way. _____

x) If the score of the first four shots was 36, what numbers did the shooter hit? Show one way. _____

xi) If the score of the first two shots was 21, what numbers did the shooter hit? Show one way. _____

xii) If the score of the first six shots was 79, what numbers did the shooter hit? Show one way. _____

Survey

The chart below shows the favorite colors of the students in Mrs. Thurston's class.

Favorite Colors of Mrs. Thurston's Class

Black, Blue, Green, Orange, Red (1 2 3 4 5 6 7 8 9)
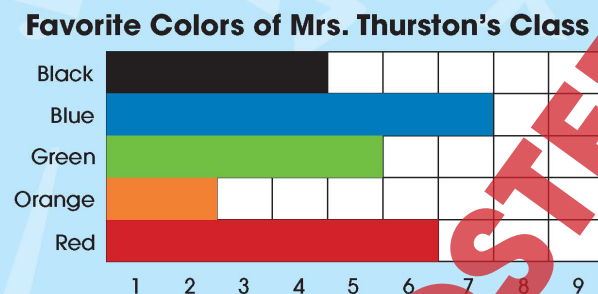
i) How many students were surveyed for this graph? _____

ii) What color was the most popular favorite color? _____

iii) What color was the least popular favorite color? _____

iv) How many more students chose blue than black? _____

v) How many more students chose green than orange? _____

vi) How many total students chose green and black? _____

vii) What fraction of students chose black? _____

viii) What fraction of students chose red? _____

ix) What is the ratio of students who chose orange to students who chose green? _____

x) What is the ratio of students who chose blue to students who chose red? _____

xi) A total of eight students chose which two colors as their favorites? _____

xii) Two fewer students chose what color than black? _____

Reflection

Conduct the same survey in your class. Complete the questions above using your own survey results.

📝⏱ Timed Drill Sheet # 11

✏

8 Minutes

17a) Four students competed to see who could throw a ball the farthest.

Student	Amanda	Winston	Christian	Martina
1st Throw	11 ft (3.4 m)	11 ft (3.4 m)	12 ft (3.7 m)	9 ft (2.7 m)
2nd Throw	10 ft (3 m)	12 ft (3.7 m)	15 ft (4.6 m)	11 ft (3.4 m)
3rd Throw	10 ft (3 m)	18 ft (5.5 m)	17 ft (5.2 m)	13 ft (4 m)

There are two ways the students can win.
1st – distance per throw
2nd – overall distance of all throws

i) What was the total distance that Winston threw the ball? _____

ii) What was the total distance that Amanda threw the ball? _____

iii) What was the total distance that Christian threw the ball? _____

iv) What was the total distance that Martina threw the ball? _____

v) Who won for distance in each throw? _____

vi) Who won for overall distance for throwing the ball? _____

vii) Who had the largest difference between the first throw and last throw? _____

viii) Who actually threw better on the first throw than the last throw? _____

ix) How much farther was Winston's last throw than Christian's last throw? _____

x) How much farther was Martina's second throw than Amanda's second throw? _____

xi) What two students threw the ball the same distance during one round? _____

xii) Which student saw his or her score increase by two feet during each round of throws? _____

EASY MARKING ANSWER KEY

17.

a)
i) 41 ft (12.6 m)
ii) 31 ft (9.4 m)
iii) 44 ft (13.5 m)
iv) 33 ft (10.1 m)
v) Christian for throw 1 and 2; Winston for throw 3.
vi) Christian
vii) Winston
viii) Amanda
ix) 1 ft (0.3 m)
x) 1 ft (0.4 m)
xi) Amanda and Winston
xii) Martina

Review A

a)
i) 5 or 8
ii) 2, 3, 4, 6, 7 or 9
iii) 1:2
iv) 5
v) 5
vi) 5 in 10 or 1 in 2
vii) 5 in 10 or 1 in 2
viii) 2, 3, 4, 6, 7 or 9
ix) 5 or 8
x) 0 in 10
xi) 10 in 10 or 1 in 1
xii) 5:5 or 1:1

Review B

a)
i) 7
ii) 2, 6, 8, 11 and 12
iii) 8
iv) 4
v) 2 times
vi) Answers may vary. Possible answers include: 5, 4 or 6, 3
vii) Answers may vary. Possible answers include: 3, 3 or 5, 1
viii) 7
ix) 1/3
x) 2/3
xi) 3, 4 and 10
xii) 4 rolls

Review C

a)
i) 1 in 21
ii) 2 in 21
iii) unlikely
iv) likely
v) likely
vi) 1:2
vii) 1:2
viii) Answers may vary. Possible answer includes: 20, 20, 20, 10, 16
ix) Answers may vary. Possible answer includes: 10, 20, 12
x) Answers may vary. Possible answer includes: 10, 10, 10, 6
xi) Answers may vary. Possible answer includes: 10, 11
xii) Answers may vary. Possible answer includes: 20, 20, 10, 10, 10, 9

EZ✓

23   24   25   26