


Plattsburg Public School
Learning from Home

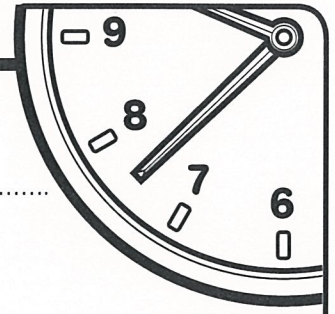
YELLOW NUMERACY





Monday

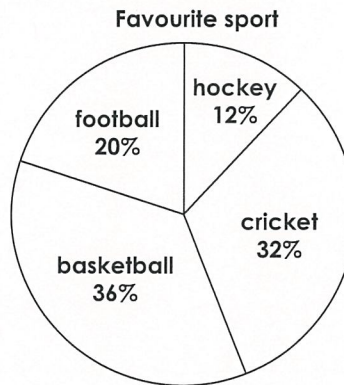
Minute 1



Name: Date:

1. For 902 798, write the digit in the hundreds place.
2. $6 \times 2 =$
3. Can 351 be evenly divided by 2? Circle: Yes or No
4. $80 \div 8 =$
5. Write the time 3 hours after 9.00 pm.

Use the circle graph to complete Questions 6 to 8.



6. What percentage of people prefer cricket?
7. What two sports together equal the same percentage as cricket? and
8. Which sport has the greatest percentage?
9. How many sides does a rectangle have? sides
10. 1 metre = centimetres

My score:

10

My time:

..... minutes

..... seconds

Read and understand numbers – expanded notation

When we write numbers using expanded notation, we identify and name the value of each digit.

$$3\ 154\ 231 = 3\ 000\ 000 + 100\ 000 + 50\ 000 + 4\ 000 + 200 + 30 + 1$$

1 Convert the numbers into expanded notation:

a 4 246 936

$$4\ 000\ 000 + 200\ 000 + 40\ 000 + 6\ 000 + 900 + 30 + 6$$

b 88 421

c 2 856 913

d 714 533

e 7 240 547

f 4 215 632

g 770 421

h 467 809

2 Write the number from the expanded notation. Remember to group the digits in 3s.

a $500\ 000 + 20\ 000 + 3\ 000 + 700 + 40 + 1$ _____

b $80\ 000 + 5\ 000 + 200 + 70 + 3$ _____

c $400\ 000 + 5\ 000 + 200 + 50 + 2$ _____

d $900\ 000 + 40\ 000 + 1\ 000 + 80 + 5$ _____

e $20\ 000 + 7\ 000 + 300 + 8$ _____

f $300\ 000 + 2\ 000 + 500 + 80 + 4$ _____

g $800\ 000 + 50\ 000 + 6\ 000 + 200 + 30 + 8$ _____

Written methods – adding and subtracting decimals

4 Calculate the totals of these bills:

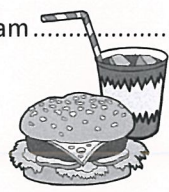
Café Uno

Mochaccino	\$	3 • 2	5
Ham and cheese toastie ...	\$	7 • 5	0
Choc chip cookie.....	\$	2 • 7	5
\$			
\$			



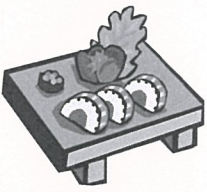
Bill's Burgers

Coke.....	\$	2 • 5	0
Double cheese burger	\$	7 • 0	0
Fries	\$	3 • 7	5
Ice cream	\$	3 • 6	0
\$			
\$			



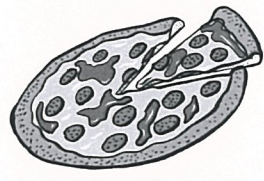
Sushi Heaven

Teriyaki chicken	\$	4 • 6	0
Avocado and salmon	\$	5 • 1	5
Cucumber and tuna.....	\$	4 • 2	5
\$			
\$			



Pete's Pizza

Hawaiian pizza	\$	9 • 2	5
Vegetarian pizza	\$	8 • 7	5
Margarita pizza.....	\$	8 • 5	0
\$			
\$			




5 Use the bills to find the answers to the following:

- a Which was cheaper, eating at Bill's Burgers or Pete's Pizza? By how much?

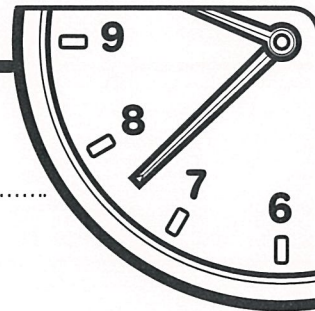
- b If you ate at Cafe Uno, Sushi Heaven and Pete's Pizza all in 1 week, how much would you spend on eating out?

- c Which restaurant bill was the cheapest and which was the most expensive? What is the difference in price?



Tuesday

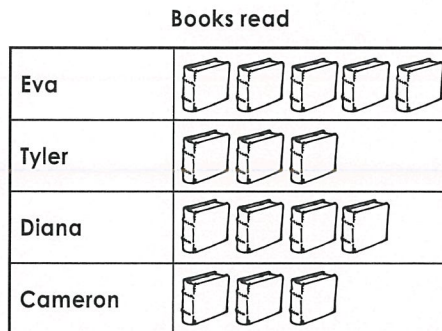
Minute 2



Name: Date:

Use the pictograph to complete Questions 1 to 3.

- How many books did Eva read? books
- How many more books did Eva read than Diana? books
- Two students read the minimum number of books. How many books did they each read? books



Each equals 5 books

- $77 \div 7 = \dots\dots\dots$
- How many sides does a **pentagon** have? sides
- Write the missing family fact.

$14 - 8 = 6$

$14 - 6 = 8$

$6 + 8 = 14$

$8 + \square = \square$

- The value of the bold digit in **3**26 619 is three hundred thousand.

Circle: True or False

- Write a fraction for the shaded area.



- 1 minute = seconds

- Continue the pattern.

0, 3, 6, 9,,,

My score:

10

My time:

..... minutes seconds

Read and understand numbers – order large numbers

When ordering numbers it is important to look closely at the place of the digits.

1 Put the following numbers in order from smallest to largest:

1 548 654		smallest largest
550 654		
1 547 521		
1 485 554		
1 547 656		
1 256 441		
995 841		

2 Read the following instructions and complete the table:

You are in charge of compiling the ratings for the top 10 television programs for the week. You have ordered them according to your personal preference but your editor is not amused.

She wants you to reorder them from most popular to least popular according to the number of viewers. This now seems like a good idea as you like your job and want to keep it.

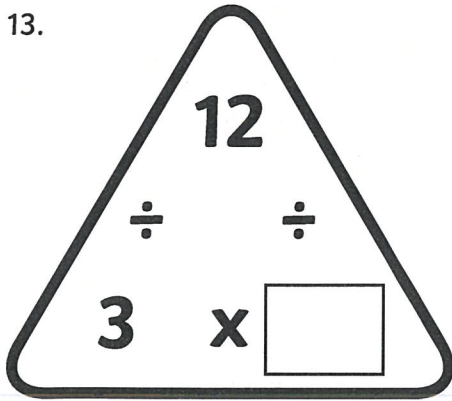
Use the final column to record the correct order of popularity.

Your order	Program	Viewers	Revised order
1	Guess that Tune	840 000	
2	Romsey's Kitchen Nightmares	1 330 000	
3	Friends and Neighbours	1 432 000	
4	Big Sister	1 560 000	
5	Gladiator Fighters	1 290 000	
6	Sea Patrol 7	1 390 000	
7	Crime Scene Clues	1 388 000	
8	Crazy Housewives	1 300 000	
9	Tomorrow Tonight	740 000	
10	Better Homes and Backyards	1 360 000	

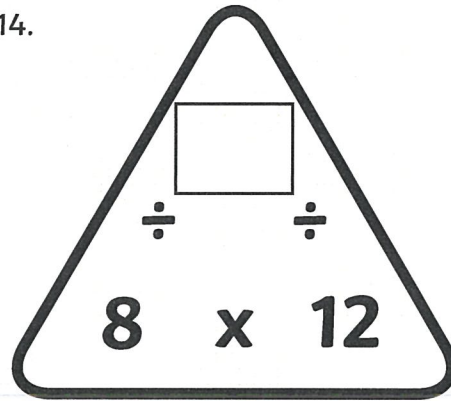
Multiplication Triangles

Fill in the blanks in these multiplication triangles.

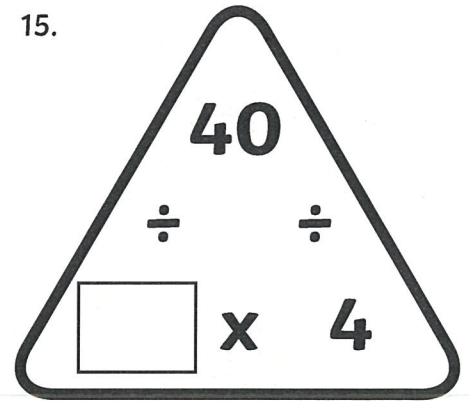
13.



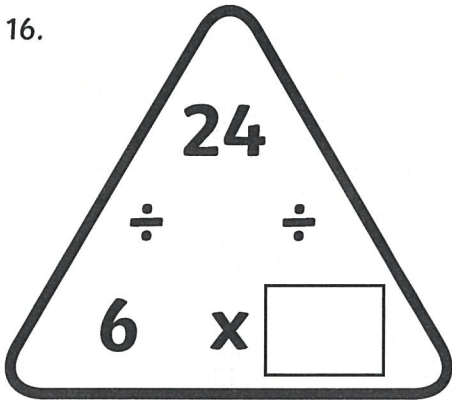
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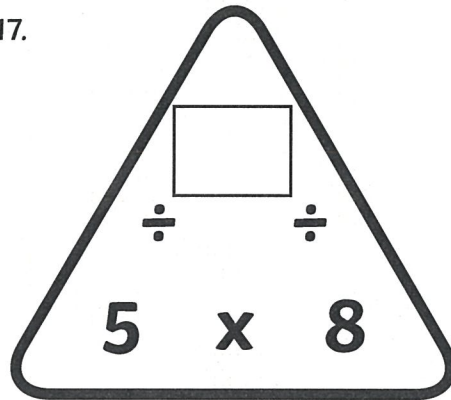
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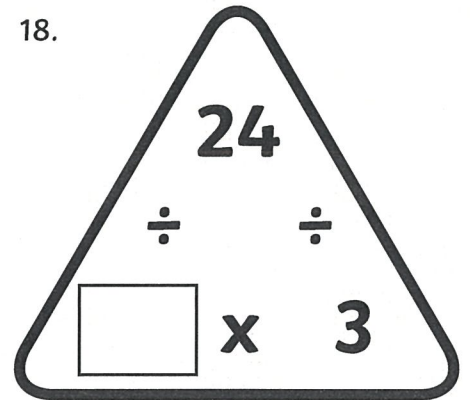
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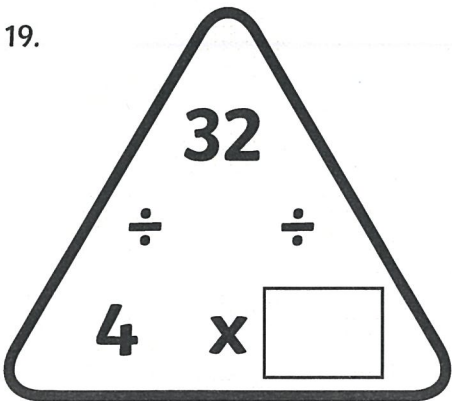
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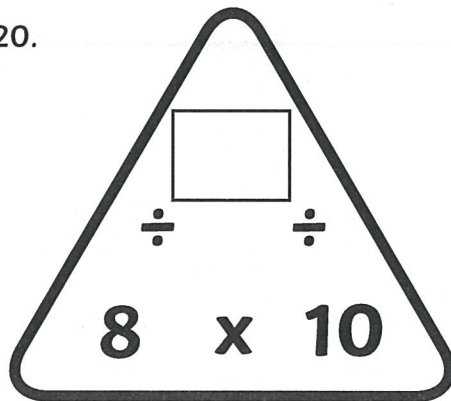
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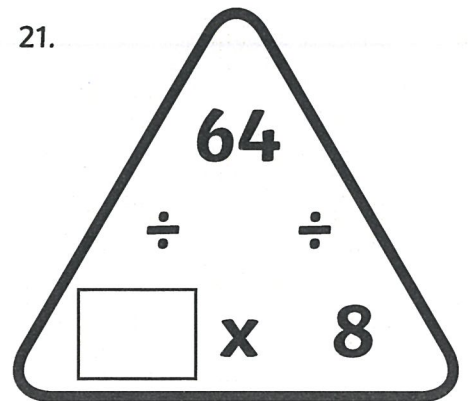
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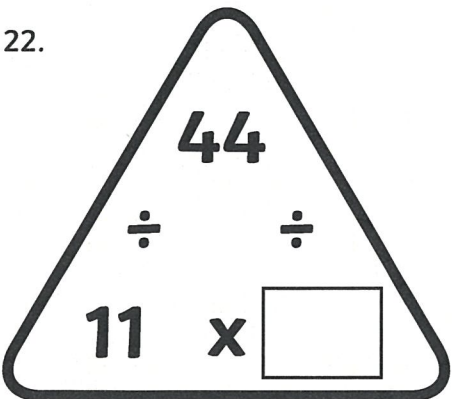
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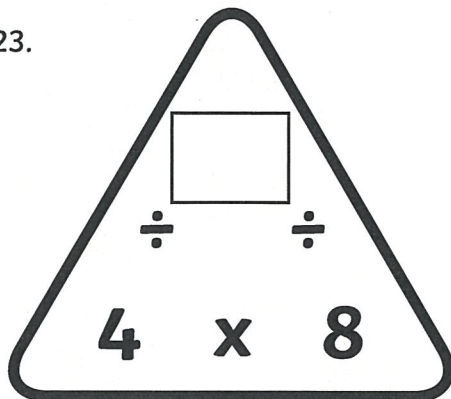
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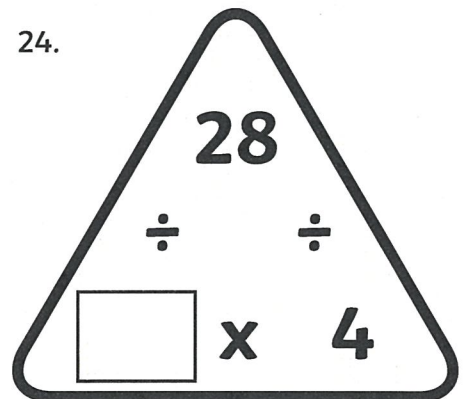
22.



23.



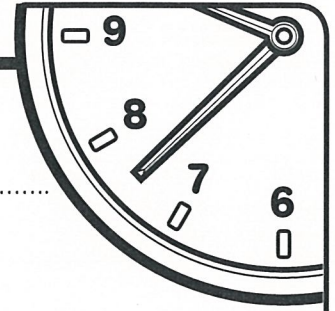
24.





Wednesday

Minute 3



Name: Date:

- Write this number in standard form:
four hundred and seventy-three thousand, six hundred and sixty-five.
.....
- $80 \div 10 = \dots\dots\dots$

Use the circle graph to complete Questions 3 to 5.

- What do the lowest percentage of children do on Saturday?
- What do 35% of the children do?
- Do more children play outside or watch a film?



- $7 \times 7 = \dots\dots\dots$
- What time is 14 hours after 3.00 am?
- Circle the name of the solid shape. sphere cone cylinder pyramid



- Complete the equation for 'The difference between 8 and 12 equals 4'.

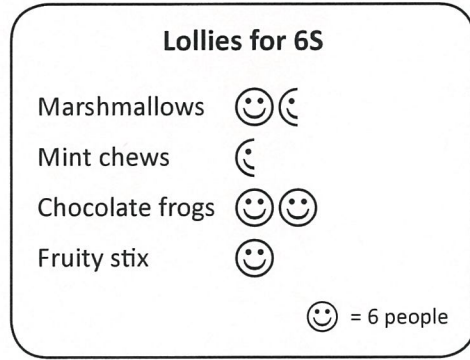
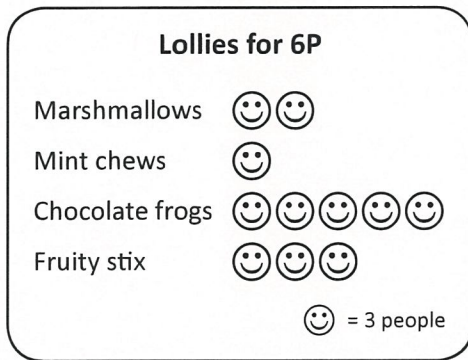
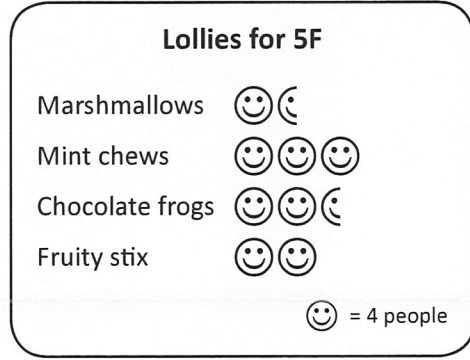
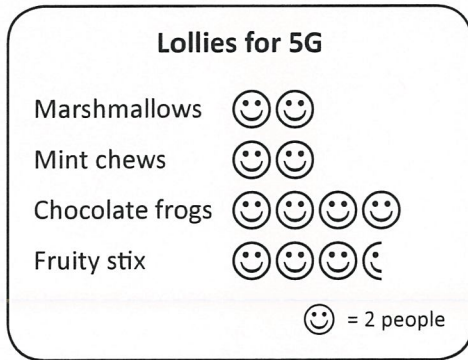
- =

- Double 70.

My score: 10 My time: minutes seconds

Types of graphs 1 – picture graphs

3 Mr Gain was preparing to take Years 5 and 6 away on camp. He asked each class to create a picture graph to show their lolly preference. He wanted to make sure he bought lots of lollies that the kids liked so he could bribe them to sleep at 'lights out'.



a In which class did 15 students choose chocolate frogs?

b Which was a more popular choice in Year 6, mint chews or marshmallows?

c How many students are there in Year 5?

d What was the most popular lolly in Year 5?

e Complete the table to show how many voted for each type of lolly:

	5G	5F	6P	6S	Total
Marshmallows					
Mint chews					
Chocolate frogs					
Fruity stix					

f The lolly that Mr Gain should buy the most of, due to it being the most popular is:

Written methods – adding and subtracting

1 Use addition, subtraction or a combination of both to solve these word problems.

- a At the 2006 Census, Australia's population consisted of 9 799 252 males and 10 056 036 females. What was the total population? How many more females than males were there?
- b Archie, Molly and Matilda have a combined mass of 119 kg. If Archie weighs 45 kg and Molly weighs 2.5 kg less than him, how much does Matilda weigh? Mum weighs 63 kg and Dad's mass is Archie's and Matilda's combined. What is the mass of the whole family?
- c Mars is 206 670 000 km from the Sun and Earth is 147 100 000 km from the sun. What is the difference between these distances?
- d Harry used his old building blocks to build a staircase. He used 78 blocks on the bottom row. He then used 13 less blocks every time in each row after that. How many blocks had he used by the time he had built 6 rows?
- e Keiran and Adam were given the same amount of money for their birthdays. When they went shopping together, Keiran found a CD that he liked but it cost \$18.75, which was more money than he had. Adam lent him his money as well. When he paid, Keiran received \$13.25 in change which he gave back to Adam. How much money had they each received for their birthdays? How much does he still owe Adam?

What words tell me I need to add? What words tell me I need to subtract?

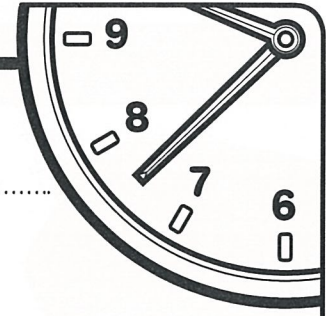


DISCOVER



Thursday

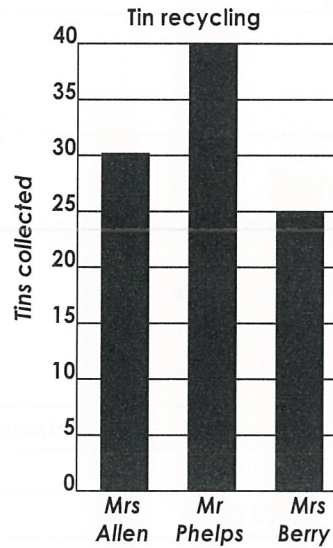
Minute 4



Name: Date:

Use the bar graph to complete Questions 1 to 3.

- How many tins did Mrs Berry's class collect? tins
- How many tins did Mr Phelps' class collect? tins
- What was the total number of tins collected? tins
- Write the missing family fact.



$42 \div 7 = 6$

$42 \div 6 = 7$

$7 \times 6 = 42$

$6 \times \square = \square$

- 4 years = months
- 1 cm = mm
- $80 \div 4 = \dots\dots\dots$
- Write a fraction for the number of shaded triangles.



9. $6 \times 8 = \dots\dots\dots$

10. Circle the rule for the sequence: 98, 87, 76, 65.

Add 10 Subtract 10 Add 11 Subtract 11

My score:

10

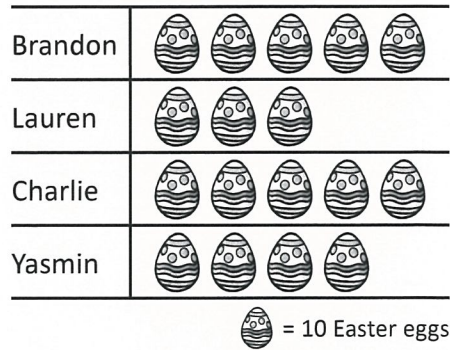
My time:

..... minutes seconds

Types of graphs 1 – picture graphs

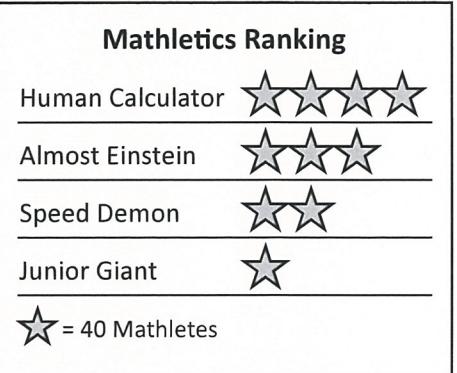
Picture graphs use symbols to represent information in the graph. Picture graphs must include a key to show the value of the symbol. Another name for a picture graph is a pictogram.

Easter Eggs found at the Egg Hunt



1 Mr Gain, the principal of Mathletics Primary School – the school for Mathletes – likes to show off to other principals at meetings by showing a picture graph of his school’s Live Mathletics ranking.

- a How many students are at the school?
- b How many Human Calculators are there?
- c How many Speed Demons are there?
- d How many more Human Calculators are there than Junior Giants?
- e If all the Almost Einsteins moved up a rank, how many Human Calculators would there be?



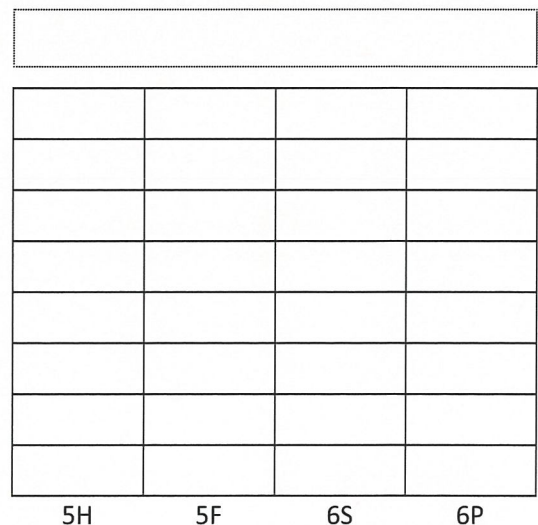
2 Last term, Years 5 and 6 raised money for World Aid, a charity that sponsors underprivileged children around the world. They were asked to present how much money they’d raised to the school assembly.

- a Complete a picture graph for them to present as a poster in assembly. To make it clear to see from a distance, you should only put one or part of a symbol in each part of the grid. This clue should help you decide on the key.



Class	Amount
5H	\$1 200
5F	\$1 600
6S	\$900
6P	\$1 100

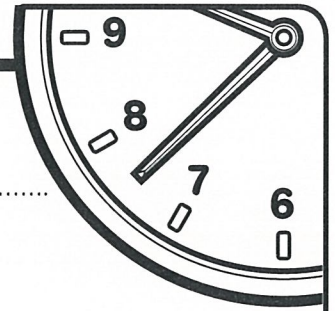
Key: = _____





Friday

Minute 5



Name: Date:

1. $100 \div 20 = \dots\dots\dots$

2. $10 \times 4 = \dots\dots\dots$

3. $1 \text{ km} = 1000 \text{ m}$

$18 \text{ km} = \dots\dots\dots \text{ m}$

4. Can 917 be evenly divided by 5? Circle: Yes or No

5.
$$\begin{array}{r} 47 \\ + 22 \\ \hline \end{array}$$

.....
.....

6. Circle the greatest number.

87 987

646 354

305 003

7. Write a fraction for the number of shaded squares.



8. Continue the pattern.

72, 62, 52,,

Use the table to complete Question 9 and 10.

Price	\$2	\$4	\$6	\$8	\$10
Number of raffle tickets	5	10	15		

9. How many tickets would \$8 buy? tickets

10. How many tickets would \$10 buy? tickets

My score:

10

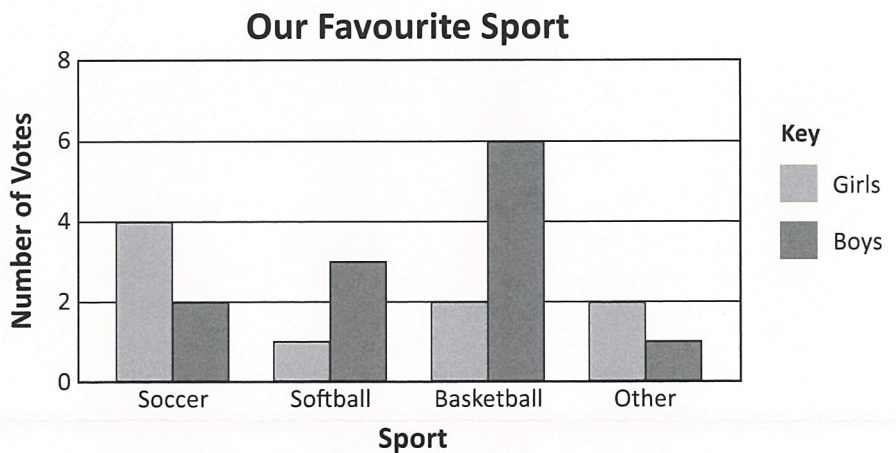
My time:

..... minutes

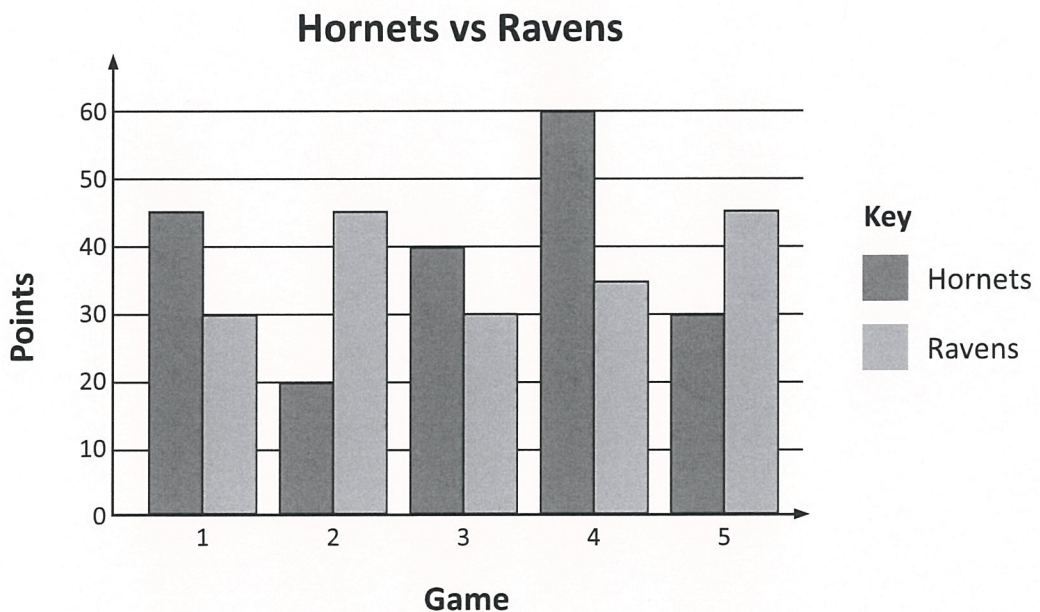
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Types of graphs 1 – double column graphs

Double column graphs make it easy to compare 2 sets of data against the same scale. They must have a key so it's easy to see which column is which.



1 This double column graph shows the total number of points scored by 2 rival netball teams over 5 games:



- a In which game did the Hornets beat the Ravens by 15 points?
- b In which game did the Hornets beat the Ravens by the most points?
- c Calculate the total points scored by the Ravens in 5 games.
- d How many more points did the Hornets score in 5 games?