

Check the appropriate boxes:

Pathway(s) for Mathematics 1 2 3 4

Exemption(s)

Mathematics

Adaptation(s)

- Alternate setting
- Verbatim reading of questions
- Verbatim scribing of responses
- Voice-to-Text software

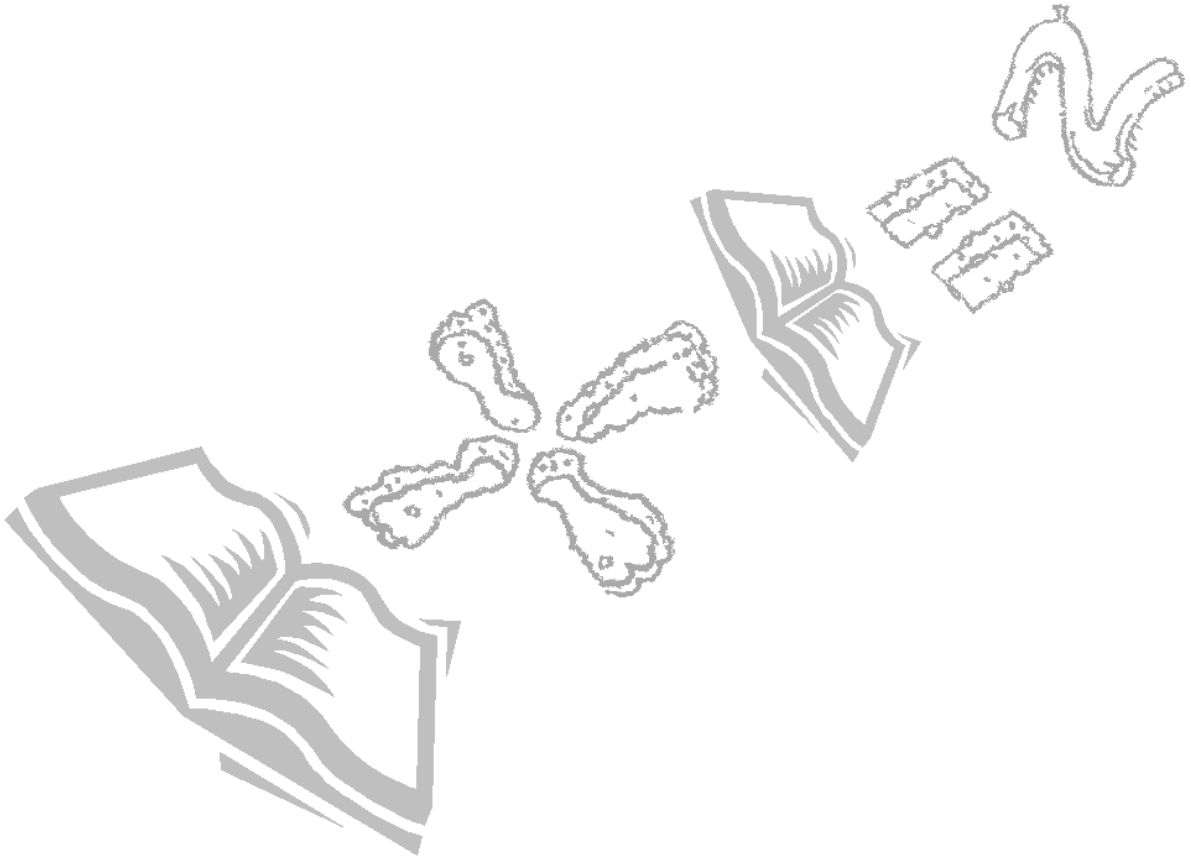
Tips for Answering Multiple-Choice Questions

1. Reread parts of the reading passage, if necessary.
2. Reread the question, if necessary.
3. If you need to work out answers, show this work next to the question.
4. Choose the best answer for each question.
5. Fill in only one circle for each question.
6. Go to the next question if you get stuck on an answer. You should come back to the question at the end.
7. Answer every question, even if you're not sure.
8. Use any extra time to check your answers.

Tips for Answering Open-Response Questions

1. Reread parts of the reading passage, if necessary.
2. Reread the question, if necessary.
3. Print or write as neatly as you can.
4. Answer in complete sentences.
5. Include as much information as you can when you are asked to explain your thinking or solve a problem.
6. Explain yourself clearly. Provide details and examples.
7. Write what you think and why you think that. There are not always right or wrong answers.
8. Go to the next question if you get stuck on an answer.
9. You should come back to the question at the end.
10. Answer every question, even if you are not sure.
11. Use any extra time to check your answers.
 - Do they make sense?
 - Are your spelling, punctuation, and capitalization appropriate?

Mathematics



Number Operations

1. Add.

$$\begin{array}{r} 487 \\ + 425 \\ \hline \end{array}$$

- (A) 802
(B) 812
(C) 902
(D) 912
2. What is the product of 4 and 3?

- (A) 1
(B) 7
(C) 12
(D) 43

3. Which matches the picture shown?



- (A) five groups of four
(B) four groups of five
(C) five shared among four
(D) four shared among five

4. Find the missing number.

$$\square \times 2 = 12$$

- (A) 6
- (B) 10
- (C) 14
- (D) 24

5. There are 25 students in the gym and 16 are girls.
How many are boys?

- (A) 7
- (B) 9
- (C) 11
- (D) 41

6. Which multiplication sentence would help you solve $24 \div 3$?

- (A) $3 \times 8 = 24$
- (B) $3 \times 4 = 12$
- (C) $24 \div 8 = 3$
- (D) $24 \div 2 = 12$

7. Solve. $8 \times 4 = \square$
- (A) 12
 - (B) 23
 - (C) 32
 - (D) 36
8. In September, a grade 3 class read 121 books. In October the same class read 209 books. How many books did this class read in total?
- (A) 330
 - (B) 417
 - (C) 505
 - (D) 626
9. Kim has 15 apples. She sorts them into bags of 5 apples. How many bags does she need?
- (A) 3
 - (B) 5
 - (C) 10
 - (D) 20
10. Claude placed his toys on a table in 3 rows. If there are 6 toys in each row, how many toys does he have altogether?
- (A) 3
 - (B) 9
 - (C) 18
 - (D) 24

1. Jennifer, Mark and Bill are counting their crayons. Jennifer has 27 crayons, Mark has 43 crayons and Bill has 19 crayons.

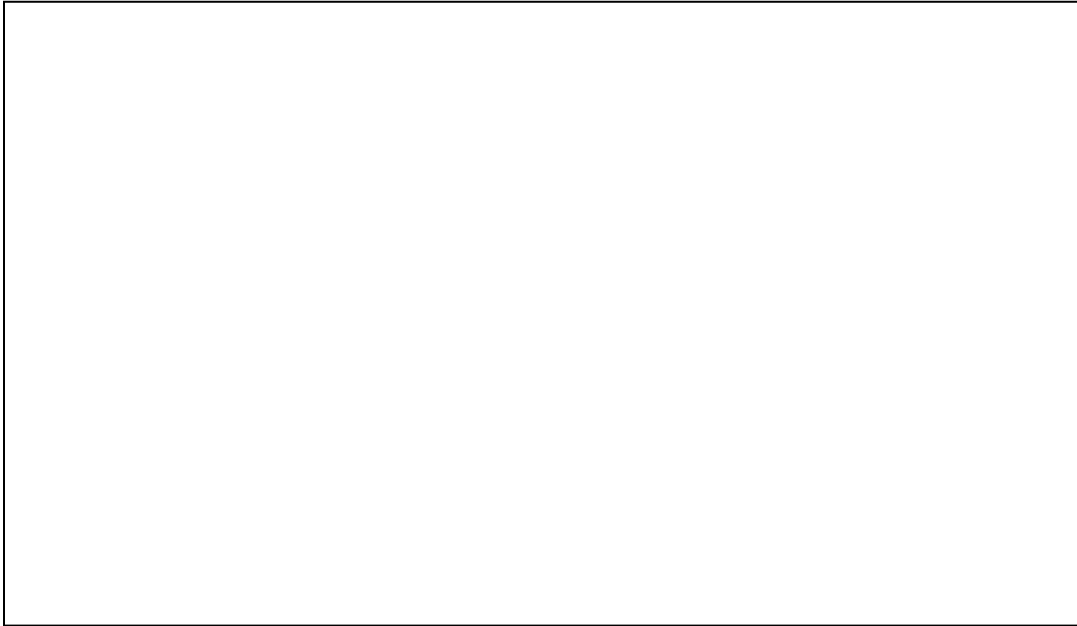
Without finding the actual sum, **estimate** how many crayons the students have altogether.

a) My estimate: _____

b) Explain how you estimated using words and numbers.

c) In math class we often use estimation. Give another example when you would use estimation in school that is **not during math class**.

3a) Draw a picture to show how to share 28 oranges equally among 4 children.



b) Write a number sentence to go with the sharing in your picture.

My number sentence: _____

c) Explain how your number sentence matches your drawing.

4a) Write a story problem you can solve by subtracting 126 from 243.

b) Solve your problem.

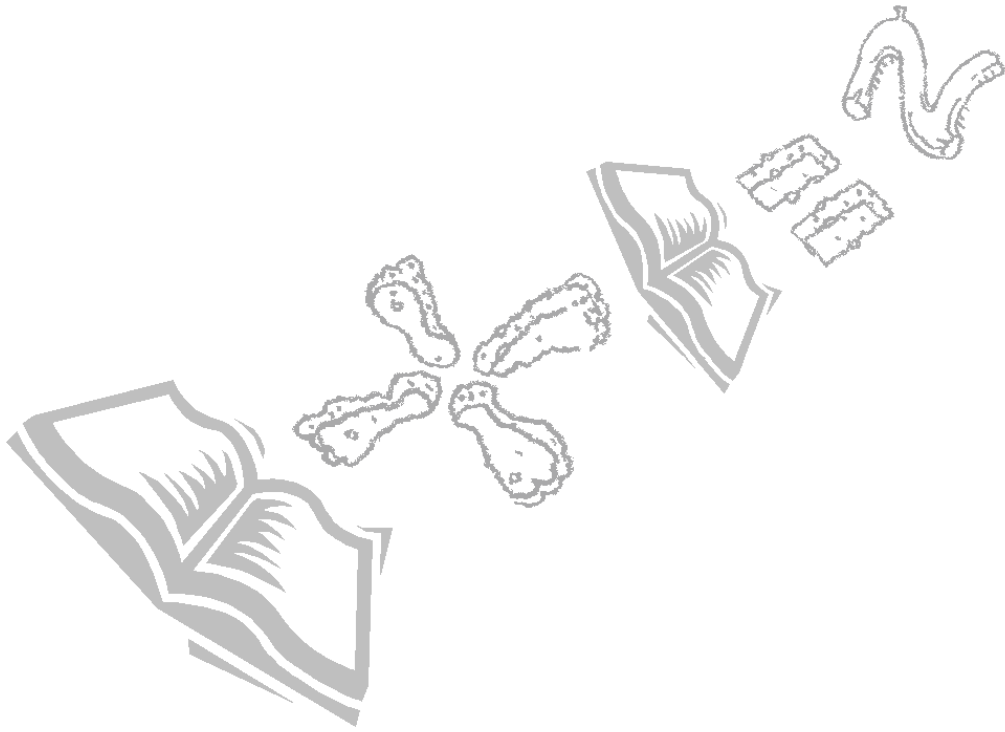


Addition to 19

$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ + 0 \\ \hline \end{array}$
$\begin{array}{r} 6 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ + 1 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ + 5 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ + 3 \\ \hline \end{array}$	$3 + 0 = \underline{\quad}$
$4 + 12 = \underline{\quad}$	$11 + 1 = \underline{\quad}$	$7 + 4 = \underline{\quad}$	$12 + 4 = \underline{\quad}$



Let's Continue...



Number Concepts

11. Which set of numbers is ordered from greatest to least?

greatest.....least

- (A) 5036, 5360, 5603, 5630
- (B) 5630, 5603, 5360, 5036
- (C) 5630, 5360, 5036, 5603
- (D) 5630, 5360, 5603, 5036

12. Which sentence matches the number 1832?

- (A) I am less than 1500.
- (B) I have an even number in the thousands place.
- (C) I have 18 hundreds.
- (D) I have thirty-two tens.

13. Which is the same as 1827?

- (A) one hundred eighty-two
- (B) one thousand twenty-seven
- (C) eighteen hundred twenty-seven
- (D) eighteen thousand twenty-seven

14. Look at the information in the following table.

Animals	Number
Dog	950
Cow	9471
Pig	9174
Horse	1508

Place the animals in order, from the **least** to the **greatest** number.

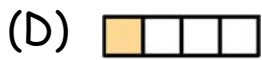
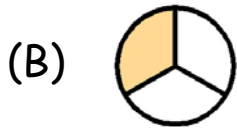
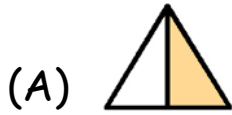
least..... **greatest**

- (A) Horses, pigs, cows, dogs
- (B) Dogs, cows, pigs, horses
- (C) Dogs, horses, pigs, cows
- (D) Horses, dogs, pigs, cows

15. Which number is 100 more than 4368?

- (A) 3368
- (B) 4268
- (C) 4468
- (D) 5368

16. Which figure has the same fraction shaded as this one?



17. Round 37 to the nearest ten.

- (A) 30
- (B) 35
- (C) 40
- (D) 45

18. What is the difference between 428 and 309?

- (A) 119
- (B) 121
- (C) 727
- (D) 737

1a) Draw base-ten materials to show that 224 is 22 tens and 4 ones.

224

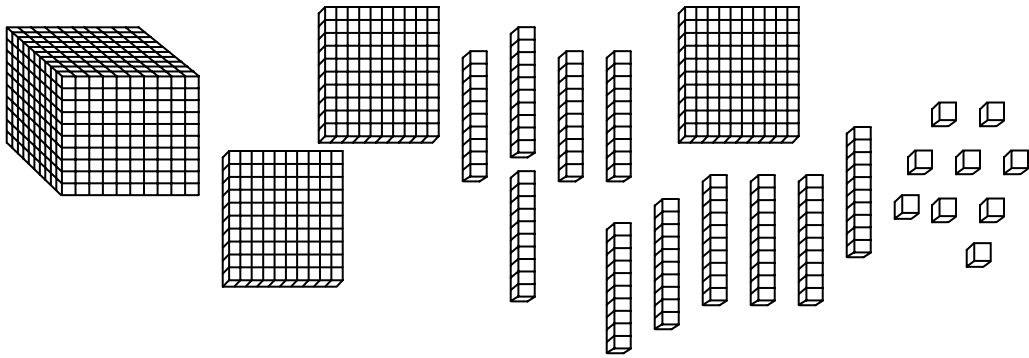


b) Draw base-ten materials to show 224 in **another way**.

224



2. Which number is shown by these base-ten materials?

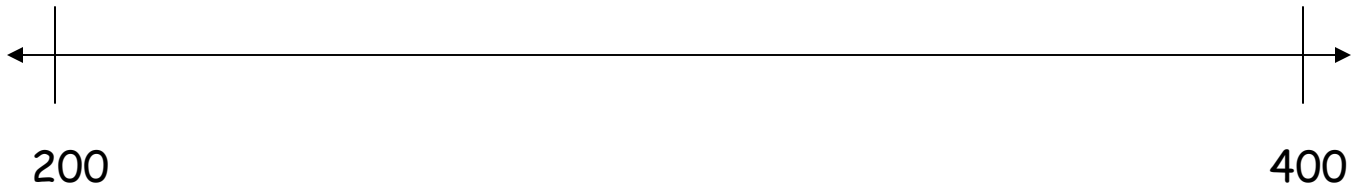


a) The number is _____.

b) Explain how the base-ten materials show this number.

c) Draw base-ten materials to show this number in a **different way**.

3a) Show where you would place 375 on the number line.



b) Explain how you decided where to place 375 on the number line.



Subtraction facts from 19

$$\begin{array}{r} 6 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ - 10 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$$

$$11 - 7 = \underline{\quad}$$

$$\begin{array}{r} 16 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$$

$10 - 5 = \underline{\quad}$

$12 - 6 = \underline{\quad}$

$14 - 4 = \underline{\quad}$

$16 - 8 = \underline{\quad}$

$14 - 7 = \underline{\quad}$

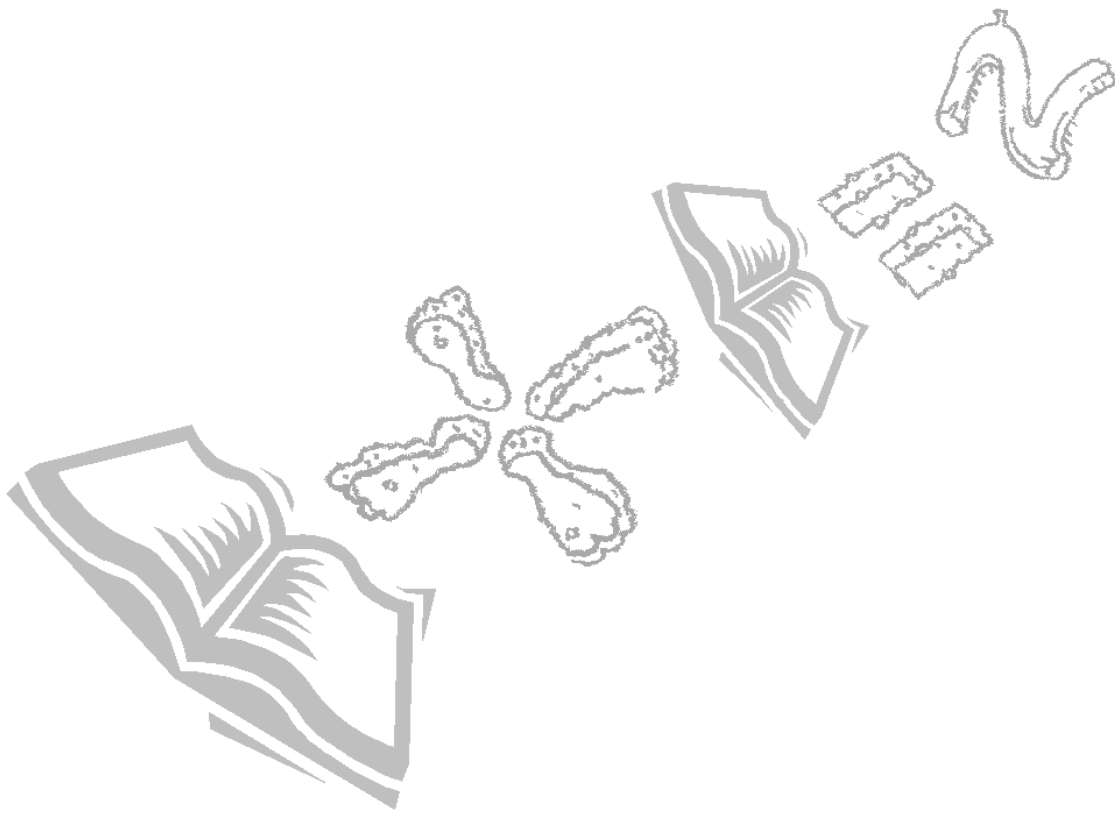
$15 - 7 = \underline{\quad}$

$16 - 15 = \underline{\quad}$

$17 - 17 = \underline{\quad}$

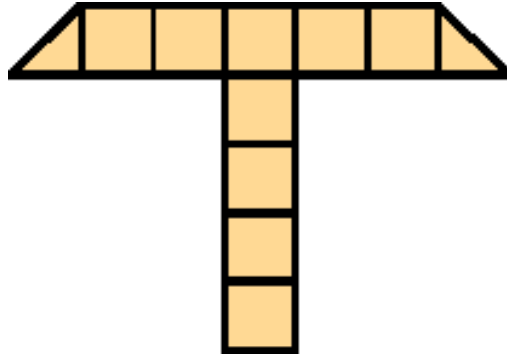


Let's Continue...



Shape and Space

19. Find the area of this shape.



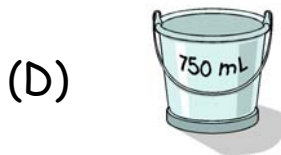
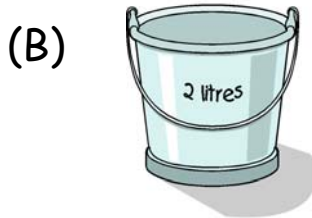
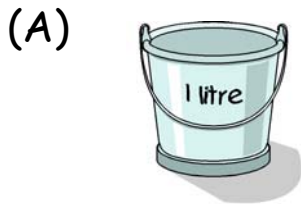
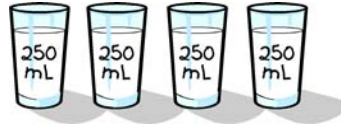
- (A) 9 cm^2
- (B) 10 cm^2
- (C) 12 cm^2
- (D) 20 cm^2

20. What time is shown on this clock?



- (A) 6:08
- (B) 8:30
- (C) 6:40
- (D) 8:06

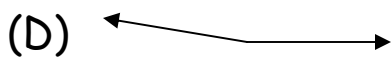
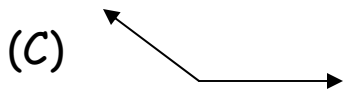
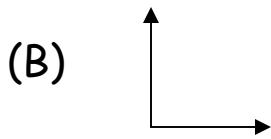
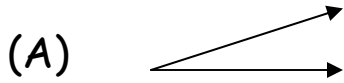
21. Which bucket contains the same amount as these four glasses?



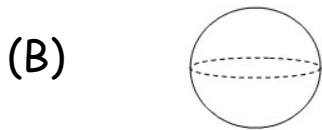
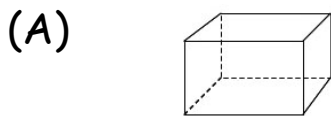
22. What unit would you use to measure the length of a sneaker?

- (A) grams (g)
- (B) kilograms (kg)
- (C) centimetres (cm)
- (D) metres (m)

23. Which angle is less than a right angle?



24. Which solid is a pyramid?



1a) Complete the chart which shows equivalent measurements.

Animal	kilograms (kg)	grams (g)
kitten	1 kg	1000 g
rabbit	2 kg	
duck		4000 g
dog	9 kg	

b) Which animal is the heaviest? How do you know?

c) Which animal is the lightest? How do you know?

2. Use a ruler to draw the geometric shapes.

a) kite

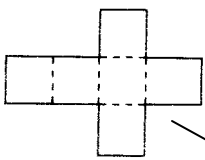


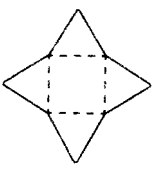
b) parallelogram

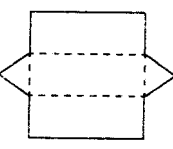


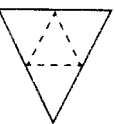
3a) Match the name of the solid with its net.

The first one has been done for you.

(a)  square pyramid

(b)  triangular prism

(c)  cube

(d)  triangular pyramid

b) Name an object that has the same shape as a rectangular prism.

Explain why the object you chose is a rectangular prism.



Multiplication Facts

$8 \times 1 = \underline{\quad}$

$6 \times 0 = \underline{\quad}$

$3 \times 2 = \underline{\quad}$

$4 \times 9 = \underline{\quad}$

$8 \times 2 = \underline{\quad}$

$7 \times 5 = \underline{\quad}$

$5 \times 5 = \underline{\quad}$

$4 \times 7 = \underline{\quad}$

$2 \times 9 = \underline{\quad}$

$3 \times 6 = \underline{\quad}$

